

November 2005

Published_Applications Nucleic Acid and Published_Applications Amino Acid database searches now generate two sets of results each. The Published_Applications databases have been split into two parts to reduce the amount of time required for their daily updates. This results in more machine time being available for processing searches.

Newly published applications will appear in the Published_Applications_New databases; older published applications make up the Published_Applications_Main databases.

Searches run against Nucleic Acid Published_Applications produce two sets of results, with the extensions **.rnpbm** (Published_Applications_NA_Main) and **.rnpbn** (Published_Applications_NA_New). Searches run against Amino Acid Published_Applications produce two sets of results, with the extensions **.rapbm** (Published_Applications_AA_Main) and **.rapbn** (Published_Applications_AA_New).

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: January 10, 2006, 16:26:16 ; Search time 395 Seconds
(without alignments)
8446.793 Million cell updates/sec

Title: US-09-367-052-1
Perfect score: 1877
Sequence: 1 ccatcttaatacactact.....aaaaaaaaaaaaaaaaaaaaa 1877

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA.*

- 1: /cgn2_6/ptodata/1/ina/1_COMB.seq.*
- 2: /cgn2_6/ptodata/1/ina/5_COMB.seq.*
- 3: /cgn2_6/ptodata/1/ina/6A_COMB.seq.*
- 4: /cgn2_6/ptodata/1/ina/6B_COMB.seq.*
- 5: /cgn2_6/ptodata/1/ina/H_COMB.seq.*
- 6: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq.*
- 7: /cgn2_6/ptodata/1/ina/PP_COMB.seq.*
- 8: /cgn2_6/ptodata/1/ina/RE_COMB.seq.*
- 9: /cgn2_6/ptodata/1/ina/backfileseq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	974.4	51.9	1737	2	US-08-202-056-4
2	974.4	51.9	1737	2	US-08-076-093A-3
3	974.4	51.9	1737	2	US-08-701-265-3
4	974.4	51.9	1737	2	US-08-284-586-3
5	974.4	51.9	1737	2	US-08-805-478-3
6	974.4	51.9	1737	2	US-08-802-627A-3
7	974.4	51.9	1737	2	US-08-801-238-3
8	974.4	51.9	1737	2	US-08-801-228-3
9	974.4	51.9	1737	3	US-09-104-296-3
10	974.4	51.9	1737	6	PCT-US94-06380-2
11	952.8	50.8	1679	3	US-09-517-605-14
12	951.8	50.7	1664	3	US-09-582-224A-5
13	951.8	50.7	1664	3	US-09-023-655-1213
14	859	45.8	1225	3	US-09-016-434-1235
15	834.6	44.5	1317	2	US-08-153-848-45
16	834.6	44.5	1317	3	US-09-299-843A-45
17	834.6	44.5	1317	3	US-09-088-337B-45
18	834.6	44.5	1317	6	PCT-US93-11153-45
19	809.6	43.1	1059	3	US-09-647-501-1
20	804.8	42.9	1059	3	US-09-826-509-484
21	282	15.0	440	3	US-09-513-999C-1915
22	198.4	10.6	1119	3	US-09-170-496D-65
23	198.4	10.6	1679	2	US-08-202-056-4
24	198.4	10.6	1679	2	US-08-076-093A-5

Sequence 5, Appli
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Sequence 5, Appli
Sequence 5, Appli
Sequence 5, Appli
Sequence 5, Appli
Sequence 3, Appli
Sequence 4384, Ap
Sequence 7, Appli
Sequence 1, Appli
Sequence 16126, A
Sequence 199, App
Sequence 65, Appl
Sequence 65, Appl
Sequence 19, Appl
Sequence 1052, Ap
Sequence 1, Appli
Sequence 1, Appli
Sequence 980, App
Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-08-202-056-4

; Sequence 4, Application US/08202056
; Patent No. 5440021
; GENERAL INFORMATION:
; APPLICANT: Chuntharapai, Anan
; APPLICANT: Hebert, Caroline
; APPLICANT: Kim, Kyung Jin
; APPLICANT: Lee, James
; TITLE OF INVENTION: Antibodies to Human IL-8 Type B Receptor
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/202,056
FILING DATE: 25-FEB-1994
CLASSIFICATION: 436
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/677211
FILING DATE: 29-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: 706P3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-5530
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 1737 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-202-056-4

Query Match 51.9%; Score 974.4; DB 2; Length 1737;

Best Local Similarity 76.1%; Pred. No. 1.1.2e-181;		Matches 1391; Conservative 0; Mismatches 301; Indels 136; Gaps 10;	
QY	50	GCAGGTAGCAGTGAACCTCTGAGGGCTTGGTGTCCGGTAACACACGCGCTGTGAGC	109
Db	20	GCAGGTAGCAGTGAACCTCTGAGGGCTTGGTGTCCGGTAACACACGCGCTGTGAGC	79
QY	110	GAGTGTGGCATGGAACCGATCAGTGTGAGTATATACATCTCTGATAACTTACTCTGAGA	169
Db	80	CAGCGTTTACATGGA-----GGGGATCAGTATATACATCTCTGATAACTTACTCTGAGA	134
QY	170	AGTGGGGTCTGGAGCATATGACTCCAAACAGGAACCTCTCTCCGGATGAAAAAGCTCA	229
Db	135	AATGGGCTCAGGGGATATGACTCCATGAAGGAACCTCTCTCCGGATGAAAAAGCTCA	194
QY	230	TTTCAATAGGATCTTCTGCGCCACCATCTACTTCTCATCATCTTCTGAGTGGCATGTGCG	289
Db	195	TTTCAATAGGATCTTCTGCGCCACCATCTACTTCTCATCATCTTCTTAACTGGCATGTGCG	254
QY	290	CAATGATTTGGTCACTCTGCTGATGGTTACCAAGGAAGCTTAAGGAGCATGACGACAA	349
Db	255	CAATGATTTGGTCACTCTGCTGATGGTTACCAAGGAAGCTTAAGGAGCATGACGACAA	314
QY	350	GTACCGGCTGCACCTGTGAGTGGCTGACCTCTCTTGTTCATCACAATCTCCCTTCTGGGC	409
Db	315	GTACAGGCTGCACCTGTGAGTGGCGGACCTCTCTTGTTCATCACAATCTCCCTTCTGGGC	374
QY	410	AGTTGATGCAATGGCTGATCTGTTGAGTGGTAAATTTTGTGTAAGCTGTCTCATATCAT	469
Db	375	AGTTGATGCGGTGGCAAACTGTGTTGAGTGGTAAATTTTGTGTAAGCTGTCTCATATCAT	434
QY	470	CTACATGTTCAACTCTACAGCAGCTTCTCATCTGGCCCTTCATCAGCCTGACCGGTA	529
Db	435	CTACACAGTCAACTCTACAGCAGTGTCTCATCTGGCCCTTCATCAGTCTGACCGGTA	494
QY	530	CCTCGGCATTGTCCAGCCACCAACAGTCAAAGGCCAAAGGAACTGTGGCTGAAAAGGC	589
Db	495	CCTGGCCATTGTCCAGCCACCAACAGTCAAAGGCCAAAGGAACTGTGGCTGAAAAGGC	554
QY	590	AGTCTATGTGGGGCTGTGATCCAGCCCTCTCTGATATATACCTGATCTTCTTTGCTG	649
Db	555	GCTCTATGTGGGGCTGTGATCCAGCCCTCTCTGATATATACCTGATCTTCTTTGCTG	614
QY	650	CGACGTGACGGGGGACATCAGTCAAGGGGATGACAGTACATCTGTGACCGCTTTA	709
Db	615	CAAGC-----TCAGTGAGGAGATGACAGTATATCTGTGACCGCTTTA	659
QY	710	CCCGATAGCTGTGGATGGTGTGTTTCAATTCAGCATATATATGTTGGGTCTCATCTT	769
Db	660	CCCGATAGCTGTGGATGGTGTGTTTCAATTCAGCATATATATGTTGGGTCTCATCTT	719
QY	770	GCCCGGATCGTATCTCTCTGTTACTGTCATCATCTCTTAAGTGTACACTCCAA	829
Db	720	GCTGTATTTGTCATCTCTCTGTTACTGTCATCATCTCTTAAGTGTACACTCCAA	779
QY	830	GGGCCACCAAGGAGGAGGCTCAAGACAGTACATCTCTAGCTTTCTTTG	889
Db	780	GGGCCACCAAGGAGGAGGCTCAAGACAGTACATCTCTAGCTTTCTTTG	839
QY	890	CTGCTGGCTGCCATATATGTTGGGGATCAGCATCGACTCTCTTCTTTTGGGAGTCAT	949
Db	840	CTGTTGGCTGCCATATATGTTGGGGATCAGCATCGACTCTCTTCTTCTGGAATCAT	899
QY	950	CAAGCAAGGATGATCTTGAGAGCATTTGCAAGAGTGTATCTCATCAGAGGCGCT	1009
Db	900	CAAGCAAGGATGATCTTGAGAGCATTTGCAAGAGTGTATCTCATCAGAGGCGCT	959
QY	1010	CGCTTTCTTCCATGTTGCTGAACCCCATCTCTATGCTCTCTCGGGCCAAAGTTCA	1069
Db	960	AGCTTTCTTCCATGTTGCTGAACCCCATCTCTATGCTCTCTTGAGCCAAATTTAA	1019
QY	1070	AAGCTCTGCCAGCATGCACTCAACTCCATGAGCAGAGGCTCCAGGCTCAAGTCTTTC	1129

Db	1020	AACCTCTGCCAGCACGCACTCACTCTCTGTGAGCAGAGGGCTCCAGCTCAAGATCTCTC	1079
QY	1130	CAAAGAAAGCGGGTGGACACTCTTCCGCTCCCGAGGAGTCAGATCTCCAGTTTTCA	1189
Db	1080	CAAAGAAAGCGGGTGGACACTCTTCCGCTCCCGAGGAGTCAGATCTCCAGTTTTCA	1139
QY	1190	CTCCAGCTAACCTTATGCAAGAGCTTATATAATATATATATATATATATATATATAT	1249
Db	1140	CTCCAGCTAA-----CACAGATCTAAAGACTTTTTTTTATACGATAATAACTTTT	1191
QY	1250	TTTTATGTTACATTTTCCAGATATAAGAGACTGACCACTCTGTGACAGTTTTTTTTT	1309
Db	1192	TTTTATGTTACATTTTCCAGATATAAGAGACTGACCACTATTTGTACAGTTTTTATG	1251
QY	1310	TTTTTAAATTTGAGTGTGGGAGTTTATGTTCTCTAGTTTCTGTGAGGTTTGACTTAAT	1369
Db	1252	TTGTTGGATTTTGT-----CTTGTGTTCTTTAGTTTTTGTGAAGTTTAAATGACTTA	1305
QY	1370	ATATAAATATTTTGTCTTGTCTGTAATGAGCGTCTTAGGCAGGACCTGTGGCC	1429
Db	1306	TTTATA-----TAAATTTTTTTTGTTCATATTTGATGTGTCTAGGCAGGACCTGTGGCC	1361
QY	1430	AAGTCTTATGAGTGTGTTTATCTGTGTGAGGACTGTGAGAACTGTGAGAGAAAGAACTGA	1489
Db	1362	AAGTCTTATGAGTGTGTTTATCTGTGTGAGGACTGTGAGAACTGTGAGAGAAAGAACTGA	1413
QY	1490	ACATTCAGCAATGTGTGTAATTTGAATTAAGCTAGCCGTGATCCTCAGCTGTGCTGCA	1549
Db	1414	ACATTCAGCAATGTGTGTAATTTGAATTAAGCTAGCCGTGATCCTCAGCTGTGCTGCA	1473
QY	1550	TAATCTCTTCTTCTCGAGGAGCACCACCCACCCACCCACCCACCCACCCACCCACCTTT	1609
Db	1474	TAGATAATCTCTCCA-----	1488
QY	1610	TGTTGGTTATGCTGTGTGATGTTTGTGTTGTTTGTGTTGTTGTTGTTGTTGTTT	1669
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QY	1670	TTTTCTGTAAGAGTGGCACCTTAAACCAAGCGCTGAATGCTGTGAGAAATGCTGGGT	1729
Db	1526	TTTGTGTTAAGAGTGGCACCTTAAACCAAGCGCTGAATGCTGTGAGAAATGCTGGGT	1581
QY	1730	TTTTTTTGTGTTGTTTGTGTTTCAAGAGTAGATTGACTTTTCAAGTCTGCTTCAAAAT	1789
Db	1582	-----TTTTTCAAGTGTGTTTCAAGAGTAGATTGACTTTTCAAGTCTGCTTCAAAAT	1623
QY	1790	GTACAGTCTTGTATATATGTTTAAATAAGTCAATGATAAACTTAAAAAATAAAAAA	1849
Db	1624	GTACAGTCTTGTATATGTTTAAATAAGTCAATGATAAACTTAAAAAATAAAAAA	1683
QY	1850	AAAAAAAAAAAAAAAAAAAAAAAAA 1877	
Db	1684	AAAAAAAAAAAAAAAAAAAAAAAAA 1711	

RESULT 2
US-08-076-093A-3
; Sequence 3, Application US/08076093A
; Patent No. 5543503
; GENERAL INFORMATION:
; APPLICANT: Chuntharapai, Anan
; APPLICANT: Lee, James
; APPLICANT: Hebert, Caroline
; APPLICANT: Jin Kim, K.
; TITLE OF INVENTION: Antibodies to Human PF4A Receptors
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/076,093A
FILING DATE: 11-Jun-1993
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
FILING DATE: 07/810782
FILING DATE: 19-DEC-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/677211
FILING DATE: 29-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: 706P2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-5530
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1737 nucleotides
TYPE: Nucleic Acid
STRANDEDNESS: Single
TOPOLOGY: Linear
US-08-076-093A-3

Query Match 51.9%; Score 974.4; DB 2; Length 1737;

Best Local Similarity 76.1%; Pred. No. 1.2e-181;
Matches 1391; Conservative 0; Mismatches 301; Indels 136; Gaps 10;

QY 50 GCAGGTAGCAGTACCTCTGAGCGGTTGGTCTCCGGTAACCAACCAACCGCTGTAGAC 109
DB 20 GCGCGCGCAAGATGACGCGAGGCGCTGAGTGTCCAGTAGCCACCGCATCTGGAGAC 79
QY 110 GAGTGTGGCATGGAACCGATCAGTGTGAGTATATACATCTCTGATAACTACTCTGAAGA 169
DB 80 CAGCGGTACCATGGA-----GGGGATCAGTATATACATCTCAGATTAACCTACCGAGGA 134
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DB 315 GTACGGGTGACCTGTGAGGTGACCTCTTTGTATCAACACTCCCTTTCTGGGC 374
QY 410 AGTTGATGCCATGCTGACTGTTGTTGGGAATTTTGTGTAAGGCTGTCCATATCAT 469
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QY 470 CTACACTGTCAACTCTACAGCAGCTTCTCATCTCGCCCTTCATCAGCTGGAACCGGTA 529
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DB 495 CCTGGCCATCGTCCAGCCCAACCAAGTCAAGGCCAAGGAAAGTGTGGCTGAAGAGGT 554
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DB 555 GGTCTATGTTGGCGTCTGGATCCCTGCCCTCCTGCTGACTATTTCCCGACTTCATCTTGC 614
QY 650 CGAGCTCAGCGAGGGGACATCAGTCAAGGGGATGACAGAGTACATCTGTGACCGCCTTTA 709
DB 615 CAACG-----TCAGTGAGGCAGATGACAGATATATCTGTGACCGCTTCTA 659
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DB 660 CCCCAATGACTTGTGGGTGGTGTGTTCCAGTTTTCAGCATCATGTTGGCTTATCCT 719
QY 770 GCCCGCATCGTCACTCTCTCTGTTACTCATCATCATCTCTAAGCTGTCCACTCCAA 829
DB 720 GCCTGGTATTGTCT 779
QY 830 GGGCCACCAAGCGCAAGCCCTCAAGACGACGATCTCTCATCTCTCTCTCTCTCTCT 889
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QY 1010 CGCCTCTCTCCACTGTTGGCCCTGAACCCCATCTCTATGCTCTCTCGGGGCAAGTTCAA 1069
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QY 1070 AGCTCTGCCAGATGCACTCAACTCCATGAGCAGAGGCTCCAGCTCAAGATCTCTTTC 1129
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QY 1130 CAAGGAAAGCGGGTGACACTCTTCGCTCCAGGAGTGTGCAAGTGTGATCTCTCAGTTTCA 1189
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DB 1192 TTTTAAAGTTTACATTTTTCAGATATAAAGAGCTGACCAATATTTGTACAGTTTAT 1251
QY 1310 TTTTAAATGACTGTTGGGAGTTTATGTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1369
DB 1252 TTGTTGAGTTTGT-----CTGTGTTTCTTTAGTTTGTGAAAGTTTAAATGACTTA 1305
QY 1370 ATATAATATTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGT 1429
DB 1306 TTTTATA-----TAAATTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGT 1361
QY 1430 AGTTTCTTAGTACTGTTTATCTGTGTGTTAGGACTGTAGAACTGTAGAGGAAGAACTGA 1489
DB 1362 AGTTTCTTAGTACTGTTTATCTCTGTGTAGGACTGTAGAA-----AAGGGAAGTGA 1413
QY 1490 ACATTCCAGAACTGTGTGTAATTAAGTGTAGCGGTGATCTCAGCTGTGTTGTTGCA 1549
DB 1414 ACATTCCAGAGCGTGTAGTGAATCAAGTAAAGCTAGAAATGATCCCGAGCTGTTATGCA 1473
QY 1550 TAATCTCTTCAATTCAGAGGAGCACCACCCACCCACCCACCCACCCACCCACCCACCT 1609
DB 1474 TAGATAATCTCTCA-----1488
QY 1610 TGTGTTGTTAGCTGTGTGAGGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 1669
DB 1489 -----TTCCGCTGGAAGCTTTTCTCTGTTCTTAAAGACGTGAT 1525
QY 1670 TTTTCTGTAAGAGTGCCTTAAACCAAGAGCTGAAATGTTGTTGTTGTTGTTGTTGTTGTT 1729
DB 1526 TTTGCTGTAGAGATGGCACTTTATACCAAGGCCAAAGGCT-ATAGAAATGCTGG--- 1581

Db 1140 CTCAGCTAA-----CACAGATGATAAAGACTTTTTTTTATACGATAAATACCTTTT 1191
Qy 1250 TTTTATGTTACACATTTTCCAGATATAAGAGACTGACCACTCTGTACAGTTTTTTTTTTT 1309
Db 1192 TTTTAAAGTTACACATTTTCCAGATATAAAGAGACTGACCAATATTTGTACAGTTTTTATTGC 1251
Qy 1310 TTTTAAATGACTGTTGGGAGTTTATGTTCTCTAGTTTTTTTGTGAGGTTTGTACATTAATTT 1369
Db 1252 TTGTGGAATTTTGT-----CTTGTGTTTCTTTAGTATTTTGTGAAAGTTTAAATTTGACTTA 1305
Qy 1370 ATATAAATATTTTGTGTTTGTGTTTCAATGATGAGCTGTAGGAGGAGGAGGAGGAGGAGG 1429
Db 1306 TTTATA-----TAAATTTTTTTTGTGTTTCAATGATGAGCTGTAGGAGGAGGAGGAGGAGG 1361
Qy 1430 AAGTTCTTAGTAGCTGTTTATCTGTGTGTAGGAGCTGTAGAACTGTAGAGGAAGAACTGA 1489
Db 1362 AAGTTCTTAGTAGCTGTTTATCTGTGTGTAGGAGCTGTAGAA-----AAGGGAAGCTGA 1413
Qy 1490 ACATTCAGAAATGTGTGTTAAATTAAGCTAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1549
Db 1414 ACATTCAGAGCGGTAGTGAATCAGCTAAAGCTAGAAATGATCCCGAGCTGTTTATGCA 1473
Qy 1550 TAATCTCTTCAATCCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1609
Db 1474 TAGATAATCTCTCA----- 1488
Qy 1610 TGTGTTGTTATGCTGTGTGATGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTT 1669
Db 1489 -----TTCCCGTGAACGTTTTCCTGTTCTTAAGACGTGAT 1525
Qy 1670 TTTTCTGTAAGAGGAGCTTAAACCAAGGCTGAAATGTTGGTGTAGAAATGCTGGGT 1729
Db 1526 TTTGCTGTAGAGAGGAGCTTAAACCAAGGCTGAAATGTTGGTGTAGAAATGCTGGGT--- 1581
Qy 1730 TTTTGTGTTGTTGTTTGTGTTTCAAGTGTAGTGTGACTTCACTCCCTACAAAT 1789
Db 1582 -----TTTTTCAGTTTTCAGGAGTGGTGTGATTTTTCAGCACCTTAC-AGT 1623
Qy 1790 GTACAGCTTTGTATTACATTTGTTTAAATAAGTCAATGATAAACTTAAAAAAGGAGGAGGAG 1849
Db 1624 GTACAGCTTTGTATTAGTTGTTTAAATAAGTCAATGATAAACTTAAAAAAGGAGGAGGAG 1683
Qy 1850 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1877
Db 1684 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1711

RESULT 4

US-08-284-586-3
; Sequence 3, Application US/08284586
; Patent No. 5840856
; GENERAL INFORMATION:
; APPLICANT: Chuntharapai, Anan
; APPLICANT: Lee, James
; APPLICANT: Hebert, Caroline
; APPLICANT: Jin Kim, K.
; TITLE OF INVENTION: Antibodies to Human PF4A Receptors
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/284,586

; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/076,093A
; FILING DATE: 11-Jun-1993
; APPLICATION NUMBER: 07/810782
; FILING DATE: 19-DEC-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/677211
; FILING DATE: 29-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Love, Richard B.
; REGISTRATION NUMBER: 34,659
; REFERENCE/DOCKET NUMBER: 706P2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-5530
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1737 nucleotides
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; US-08-284-586-3

Query Match 51.9%; Score 974.4; DB 2; Length 1737;
Best Local Similarity 76.1%; Pred. No. 1.2e-181;
Matches 1391; Conservative 0; Mismatches 301; Indels 136; Gaps 10;

Qy 50 GCAGGTAGAGTGCACCTCTGAGGCGTTTGGTCTCGGTAAACCAACCAACGCTGTAGAGC 109
Db 20 GCAGGCGCAAGTGAAGCGGAGGCTCTGAGTCTCCAGTAGCCACCGCATCTGGAGAAC 79
Qy 110 GAGTGTGTCATGCAACCGATCAGTGTGAGTATATACCTTCTGATAAATCTGTAAGA 169
Db 80 CACCGGTACCATGGA-----GGGATCAGTATATACCTTCACTGTAACCTACACCGGGA 134
Qy 170 AGTGGGCTCTGGAGACTATGACTCCCAAGGAAGCTCTCTCCGGATGAAGAAACGCTCA 229
Db 135 AATGGGCTCAGGGGACTATGACTCCATGAAGAAACCTCTTCCGTGAAGAAATGCTAA 194
Qy 230 TTTCAATAGATCTTCTGCGGACCATCTACTTTCATCATCTTCTTGTAGCTGGCATGTGG 289
Db 195 TTTCAATAAATCTTCTGCGGACCATCTACTTTCATCATCTTCTTAACTGGCATTTGGG 254
Qy 290 CAATGATTTGTTGATCTCTGTCATGCTTACCAAGAAAGCTAAAGAGCATGACGGACAA 349
Db 255 CAATGATTTGTTGATCTCTGTCATGCTTACCAAGAAAGCTAAAGAGCATGACGGACAA 314
Qy 350 GTACCGGCTGCACCTCTGTCAGTGGCTGACCTCTCTTTTGTTCATCACACTCCCTTCTGGGC 409
Db 315 GTACAGGCTGCACCTCTGTCAGTGGCTGACCTCTCTTTTGTTCATCACCTTCCCTTCTGGGC 374
Qy 410 AGTTGATGCGATGCGTGAATCTGTTGGGAAATTTTGTGTAAGCTGTTCATATCAT 469
Db 375 AGTTGATGCGTGGCAAACTGTTGTAATCTTGGGAACTTCTTATGCAAGGAGCTTCCATGT 434
Qy 470 CTACACTGTCAACCTCTACAGAGGCTTCTCATCTCGGCTTCTCATCAGCTGACCGGTA 529
Db 435 CTACAGAGTCAACCTCTACAGAGGCTTCTCATCTCGGCTTCTCATCAGCTGACCGGTA 494
Qy 530 CTTGCGCATTTGTCAGCGGACCAACAGTCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 589
Db 495 CTTGCGCATTTGTCAGCGGACCAACAGTCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 554
Qy 590 AGTTATGTTGGGCTGTGATCTCCAGGCTCTCTCTGATATACCTGATCTTCTTCTTGC 649
Db 555 GGTCTATGTTGGGCTGTGATCTCCAGGCTCTCTCTGATATACCTGATCTTCTTCTTGC 614
Qy 650 CGAGCTCAGCGGAGGAGCATCAGTCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 709
Db 615 CAACG-----TCAGTGGGAGATGACAGATATCTGTGACCGCTTCTA 659

170 AGTGGGCTCTGGAGACTATGACTCCACAAAGGACCTGCTCCGGGATGAACGTCCTCA 229
135 AATGGGCTCAGGGGACTATGACTCCATGAAGGAACCTGTTCCGTCGAAGAAAATGCTAA 194
230 TTTCAATAGGATCTTCTGCGCCACCATCTACTCATCATCTTCTTAAGTGGCATTTGGG 289
195 TTTCAATAAAAATCTTCTGCGCCACCATCTACTCATCATCTTCTTAAGTGGCATTTGGG 254
290 CAATGGATGGTGTATCTGTCATGCTGATGCTGATGCTGATGCTGATGCTGATGCTGAT 349
255 CAATGGATGGTGTATCTGTCATGCTGATGCTGATGCTGATGCTGATGCTGATGCTGAT 314
350 GTACCGGCTGACCTGTCAGTGGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 409
315 GTACCGGCTGACCTGTCAGTGGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 374
410 AGTTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 469
375 AGTTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 434
470 CTACAGTCAACCTCTACAGGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 529
435 CTACAGTCAACCTCTACAGGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 494
530 CTTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 589
495 CTTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 554
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555 GGTCTATGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 614
650 CGAAGTCAAGGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 709
615 CAACG-----TCAGTGGGAGGAGTGAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 659
710 CCGGATAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 769
660 CCGGATAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 719
770 GCGGATAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 829
720 GCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 779
830 GCGGATAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 889
780 GCGGATAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 839
890 CTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 949
840 CTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 899
950 CAAGCAAGGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1009
900 CAAGCAAGGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 959
1010 CGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1069
960 AGCTTCTTCCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1019
1070 AGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1129
1020 AACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1079
1130 CAAGCAAGGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1189
1080 CAAGCAAGGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1139
1190 CTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1249
1140 CTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1191
1250 TTTTATGTTACATTTTCCAGATTAAGAGACTGACCGAGTCTTGTACAGTCTTTTCTTTT 1309

1192 TTTTAAAGTTACACATTTTTCAGATATAAAGACTGACCAATATTTGACAGTCTTTTATTC 1251
1310 TTTTAAAGTTACACATTTTTCAGATATAAAGACTGACCAATATTTGACAGTCTTTTATTC 1369
1252 TTGTTGATTTTGT-----CTTGTGTTTCTTTAGTTTGTGAAGTTTAAATTTGACTTA 1305
1370 ATATAAATATTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTG 1429
1306 TTTTATA-----TAAATTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTG 1361
1430 AAGTTCTTGTAGTCTGTTTATCTGTTGTAGTCTGTTGTAGTCTGTTGTAGTCTGTTGTAG 1489
1362 AAGTTCTTGTAGTCTGTTTATCTGTTGTAGTCTGTTGTAGTCTGTTGTAGTCTGTTGTAG 1413
1490 ACATTTCCAGATGTTGTTAAATTTGAATTAAGCTAGTCTGTTGTAGTCTGTTGTAGTCTG 1549
1414 ACATTTCCAGAGCGTTAGTGAATCACTAAAGCTAGAAATGATCCCCAGCTGTTTATGCA 1473
1550 TAATCTCTTCAATTTCCAGAGGAGCACCCACCCACCCACCCACCCACCCACCCACCCAC 1609
1474 TAGATAATCTCTCCA----- 1488
1610 TGTGTTGTTATGCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 1669
1489 -----TTCCGTTGGAACGTTTTCCTGTTCTTAAAGAGTGTAT 1525
1670 TTTTCTGTTAAAGATGCTTAAACCAAGCTGAAATGTTGTTGTTGTTGTTGTTGTTGTTG 1729
1526 TTTTCTGTTAAAGATGCTTAAACCAAGCTGAAATGTTGTTGTTGTTGTTGTTGTTGTTG 1581
1730 TTTTCTGTTAAAGATGCTTAAACCAAGCTGAAATGTTGTTGTTGTTGTTGTTGTTGTTG 1789
1582 -----TTTTCAGTTTTCAGAGTGGTGTGTTTTCAGAGTGTAT 1623
1790 GTACAGTCTGTTTATGTTTAAAGTCAATGATAAAGTCAATGATAAAGTCAATGATAAAG 1849
1624 GTACAGTCTGTTTATGTTTAAAGTCAATGATAAAGTCAATGATAAAGTCAATGATAAAG 1683
1850 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1877
1684 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1711

RESULT 6

US-08-802-627A-3
; Sequence 3, Application US/0802627A
; Patent No. 5892017
; GENERAL INFORMATION:
; APPLICANT: Lee, James
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: NUCLEIC ACID ENCODING PF4A RECEPTOR
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/802,627A
; FILING DATE: 19-Feb-1997
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/284586
; FILING DATE: 10-AUG-1994
; PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/076093
 FILING DATE: 11-JUN-1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/810782
 FILING DATE: 19-DEC-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Love, Richard B.
 REGISTRATION NUMBER: 34,659
 REFERENCE/DOCKET NUMBER: P07062P1D2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-5530
 TELEFAX: 415/952-9891
 TELEX: 910/371-7168
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1737 base pairs
 TYPE: Nucleic Acid
 STRANDEDNESS: Single
 TOPOLOGY: Linear
 US-08-802-627A-3

Query Match	51.9%;	Score	974.4;	DB 2;	Length	1737;
Best Local Similarity	76.1%;	Pred. No.	1.2e-181;			
Matches 1391;	Conservative	0;	Mismatches	301;	Indels	136;
Gaps	10;					
Qy	50	GCAGGTAGCAGTGACCCCTCTGAGGCGGTTTGGTGTCCGGTAAACACACACCGCTGTGAGAC	109			
Db	20	GCAGGCGCAAGTGAACCGAGGCGCTGAGTGTCTCAGTAGGCACCGCATCTGGAGAAC	79			
Qy	110	GAGTGTGGCCATGGAACCGATCAGTGTGAGTATATACACTTCTGATAACTACTCTCTGAAGA	169			
Db	80	CAGCGGTTACCATGGA-----GGGGATCAGTATATACACTTCAGATACTACACCGAGA	134			
Qy	170	AGTGGGCTCTGGAGACTATGACTCCAAAGAAACCTGTCTTCGGGATGAAAACGTCCA	229			
Db	135	AATGGGCTCAGGGGACTATGACTCCATGAAGAAACCCCTGTTTCCGTGGAAGAAATGCTAA	194			
Qy	230	TTTCAATAGGATCTTCTGCGCCACCATCTACTTCATCATCTTCTTGACTGCGCATAGTCGG	289			
Db	195	TTTCAATAAATCTTCTCTGCGCCACCATCTACTTCATCATCTTCTTACTGGCATTTGGG	254			
Qy	290	CAATGGATTGGTGTATCCTGTGTCATGGGTACACAGAAGACTAAAGGACGATGACGGCAA	349			
Db	255	CAATGGATTGGTTCATCTCTGTGTCATGGGTTACACAGAAGAACTGAGAAGCATGACGGCAA	314			
Qy	350	GTACCGGCTGCACTGTCACTGAGTGGCTGACCTCCTCTTTGTGCATCACACTCCCTCTCTGGGC	409			
Db	315	GTACAGGCTGCACCTGTCACTGAGTGGCGGACCTCCTCTTTGTGCATCAGCTTCCGCTCTGGGC	374			
Qy	410	AGTTGATGCCATGGCTGACCTGGTACTTTGGGAAATTTTGTGTAAGGCTGTCCATATCAT	469			
Db	375	AGTTGATGCCGTGGCAACTGGTACTTTGGGAACTTCTATGCAAGGCGAGTCCATGTCTAT	434			
Qy	470	CTACACTGTCAACCTCTACACAGCGGTTCTCATCTCTGGCCTTTCATCAGCCTGGACCGGTA	529			
Db	435	CTACACAGTCAACCTCTACACAGTGTCTCTCATCTCTGGCCTTTCATCAGTCTGGACCGGTA	494			
Qy	530	CCTCGCATTTGTCAACGCCACCAACAGTCAAGGCCAAGGAAACTGTGGCTGAAAAGGC	589			
Db	495	CCTGGCCATCGTCCACGCCCAACAGTCAGAGGCCAAGGAAGCTGTTGGCTGAAAAGGT	554			
Qy	590	AGTCTATGTGGGCGTCTGGATCCAGCCCTCCTCTGACTATATCCTGACTTTCATCTTTGC	649			
Db	555	GGTCTATGTGGCGTCTGGATCCCTGGCCCTCCTCTGACTATTTCCCGACTTTCATCTTTGC	614			
Qy	650	CGACGTCAAGCCAGGGGACATCAGTCAGGGGGATGACAGGTACATCTCTGACCGGCTTTA	709			
Db	615	CAACG-----TCAGTGGGCAAGTACAGATATATCTGTGACCGGCTTCTA	659			
Qy	710	CCCGATAGCCTGTGGATGTGGTGTTCATATTCAGCATATATAATGGTGGGTCTCATCT	769			
Db	660	CCCAATGACTTGTGGGTGGTGTGTTCACAGTTCAGCACATCATGGTGGGCTTATCCT	719			

Qy	770	GC	CGCGCATCGT	CATCCTCTCTCTGTTACTTGTCATCATCTCTTAAGCTGTCAACATCCAA	829
Db	720	GC	TGTAATTGT	CATCCTGTCTGCTATTATGCAATTATCATCTCCAAGCTGTCAACATCCAA	779
Qy	830	GG	CCACACGAAGCG	CAAGGCCCTCAAGACGACAGTCATCCTCATCTAGCTTCTTTGCG	889
Db	780	GG	CCACACGAAGCG	CAAGGCCCTCAAGACCAAGTCATCCTCATCTGCGTTCCTTCGC	839
Qy	890	CT	GCTGGCTGCC	ATATTATGTGGGATCAGCATCGACTCCTTTCATCTCTTTTGGGAGTTCAT	949
Db	840	CT	GTTGGCTGCC	TTACTACATTGGGATCAGCATCGACTCCTTTCATCTCCTCTGGAATCAT	899
Qy	950	CA	AGCAAGANTG	CACTTCGAGAGCAATTGTGCAAGATGATCTCCATCACAGAGGCCCT	1009
Db	900	CA	AGCAAGGGTGT	GAGTTTGAGAACACTGTGCAACAAGATGGAATTTCCATCACCGAGGCCCT	959
Qy	1010	CG	CTTCTTCC	ACGTGTGCTGAACCCCATCTCTATGCTTCTCGGGGCCAAGTTCAA	1069
Db	960	AG	CTTCTTCC	ACTGTGTGTGAACCCCATCTCTATGCTTCTTGGAGCCAAATTTAA	1019
Qy	1070	AA	GCTCTGCC	CAGCATCGCACTCAACTCCATGAGCAGAGGCTCCAGGCTCAAGATCCTTTC	1129
Db	1020	AA	CCTCTGCC	CAGCAGCACTCACCTCTGTGACGAGGGTCCAGGCTCAAGATCCTCTC	1079
Qy	1130	CAA	AGGAAAGCGGG	TGGACACCTCTTCGCTCCACGGAGTCAGAAATCTCTCAGTTTCA	1189
Db	1080	CAA	AGGAAAGCGAG	TGGACCAITTCATCTGTTCCACTGAGTCTGAGTCTTCAAGTTTCA	1139
Qy	1190	CT	CAGCTAAC	CCCTTATGCNAAGACTTATATATATATATATATATATATATGATAAGAACTT	1249
Db	1140	CT	CCAGCTAA	-----CACAGATGTAAAGACTTTTTTTTATACGATAAATAACTTTT	1191
Qy	1250	TT	TATGTTAC	ATTTTCCAGATATAAGAGACTGACCAGTCTTGTACAGTTTTTTTTTTT	1309
Db	1192	TT	TATGTTAC	ATTTTCCAGATATAAAGACTGACCAATATTGTACAGTTTTTATTCG	1251
Qy	1310	TT	TTAATG	ACTGTGTGGAGTTTATGTCTCTAGTTTTGTGAGTTTGCATTAATTT	1369
Db	1252	TT	GTTGAT	TTTTTGT-----CTGTGTCTTTTAGTTTTGTGAAGTTTAAATTGACTTA	1305
Qy	1370	AT	ATAATATT	TTTTTTTTTTTTTTTTCATGTGAATGAGCGTCTAGCAGACGCTGTGGCC	1429
Db	1306	TT	TATA-----	TAAATTTTTTTTTTTTTCATATTGAATGTGTCTAGGAGACCTGTGGCC	1361
Qy	1430	AA	GTCTTAGT	AGCTTATCTGTGTAGGACTGTAGAACTGTAGAGGAAGAACTGA	1489
Db	1362	AA	GTCTTAGT	AGCTGATGTCTCTGTGGTAGGACTGTAGNA-----AAGGGAAGTGA	1413
Qy	1490	AC	ATCCAG	AAATGTGGTAAATTGAATAAAGCTAGCGTGATCTCTCAGCTGTGTCTGCA	1549
Db	1414	AC	ATCCAG	AGCGTGTAGTGAATCAGTAAAGCTAGAAATGATCCCGAGCTGTTATGCA	1473
Qy	1550	TA	ATCTCTT	CAATCCAGAGGACCCCAACCCCAACCCCAACCCCACTTCTTAAAT	1609
Db	1474	TA	GATAAT	CTCTCCA-----	1488
Qy	1610	TG	TTTGTGT	ATGCTGTGTGATGGTTTGTGTTTTTTTTTTTGTGTTGTTGTTTTTTT	1669
Db	1489	-----	-----	-----TCCCGTGGAAACGTTTTTCTGTCTTAAACAGCTGAT	1525
Qy	1670	TT	TTCTGT	AAAAAGATGGCACTTAAAAACAAAGCCTGAAATGGGTAGAAATCTCGGGT	1729
Db	1526	TT	TGCTGT	AGATGGCACTTATACCAAGCCCAAGTGGT-ATAGAAATCTCG---	1581
Qy	1730	TT	TTTTTGT	TTTGTTTTTTTCAGTTTTCAAGAGTAGATTGACTTCAGTCCCTACAAAT	1789
Db	1582	-----	-----	-----TTTTTTCAGTTTTTTCAGGAGTGGTGTATTTTTCAGCACCTAC-AGT	1623
Qy	1790	GT	ACGCTCTG	TATTACATTTGTTTAATAAAGTCAATGATAAACTTAAAAAATAAAAAA	1849
Db	1624	GT	ACGCTCTG	TATTAAAGTTGTTTAATAAAGTACATGTTAACTTAAAAAATAAAAAA	1683
Qy	1850	AAAA	AAAAAAAA	AAAAAAAAAAAAAAAAAAAAA	1877

Db
1684
1711

PRESENT 7

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US-08-801-238-3
; Sequence 3, Application US/08801238
; Patent No. 5919896
; GENERAL INFORMATION:
; APPLICANT: Lee, James
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: PF4A RECEPTOR
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/801.238
; FILING DATE: 19-Feb-1997
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/284586
; FILING DATE: 10-AUG-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/076093
; FILING DATE: 11-JUN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/810782
; FILING DATE: 19-DEC-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Love, Richard B.
; REGISTRATION NUMBER: 34, 659
; REFERENCE/DOCKET NUMBER: P0706P2P1D1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-5530
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1737 base pairs
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; US-08-801-238-3

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Query Match	51.9%;	Score	974.4;	DB 2;	Length	1737;
Best Local Similarity	76.1%;	Pred. No.	1.2e-181;			
Matches 1391; Conservative	0;	Mismatches	131;	Indels	136;	Gaps 10;
QY	50	GCAGGTAGCAGTGACCCCTCTGAGGCGGTTTGCTGCTCCGGTAAACACACACGCGCTCTAGAGC	109			
DB	20	GCAGGCGCAAGTGACGCCGAGGGCCTGAGTGCTCCAGTAGCCACCGCATCTGGAGAAC	79			
QY	110	GAGTGTTCGCATGGAAACCGATCAGTGTGAGTGATATACACTTCTTGATAACTACTCTCGAAGA	169			
DB	80	CAGCGGTTACCATGGA-----GGGGATCAGTATATACACTTCAGATAACTACACCGAGGA	134			
QY	170	AGTGGGGTCTGGAGACTATGACTCCACACAGGAACCGTCTCCGGGATGAAAACGTCCTCA	229			
DB	135	AATGGGCTCAGGGGACTATGACTCCATGAAGGAACCCCTGTTTCGCTGAAGAAAATGCTAA	194			
QY	230	TTTCAATAGGACTCTTCCTGCCACCACCTACTCTTCATCATCTTCTTGACTGGCATAGTCGG	289			
DB	195	TTTCAATAAATCTTCTCGCCACCACCTACTCTCCATCATCTTCTTAACTGSCATGTGGG	254			

Qy	290	CAATGGATTTGGTGTGATCTCTGTCTATGGGTTACAGAGAAGACTAAGGAGCATGACGACAA	349
Db	255	CAATGGATTTGGTGTGATCTCTGTCTATGGGTTACAGAGAAGAACTGAGAAGCATGACGACAA	314
Qy	350	GTACCGGCTGCACCTGTFCAGTGGCTGACCTCTTTGTTCATCACACTCCCTCTTCGGGC	409
Db	315	GTACAGGCTGCACCTGTFCAGTGGCGGACCTCTCTTTGTTCATCAGCTTCCCTTCTGGGC	374
Qy	410	AGTTTGATGCCATGGCTGCACCTGTGTACTTTTGGGAAATTTTGTGTAAAGGCTGTCCATATCAT	469
Db	375	AGTTTGATCGGTGGCAAACTGTGTACTTTGGGAATTTCTTATGCAAGGCAGTCCATGTTCAT	434
Qy	470	CTACACTGTCAAACTCTTACAGCAGCGTTCTCATCTCTGGCCCTTCATCAGCCTGACACGGTA	529
Db	435	CTACACAGTCAAACTCTTACAGCAGTGTCTCATCTCTGGCCTTCATCAGTCTGACCGCTA	494
Qy	530	CCTCGCCATGTCCACGCCACCAACAGTCAAGGCCAAGGAACTGCTGGCTCAAAAGGC	589
Db	495	CCTGGCCATCGTCCACGCCACCAACAGTCAAGGCCAAGGAAGCTGTGGCTCAAAAGGT	554
Qy	590	AGTCTATGTGGGCGTCTGGATCCACGCCCTCTCTCTGACTATACCTGACATTCATCTTTGC	649
Db	555	GGTCTATGTGGGCGTCTGGATCCCTGGCCCTCTCTGTGACTATTTCCGCACTTCATCTTTGC	614
Qy	650	CGACGTCAAGCAGGGGGACATCAGTCAGGGGGATGACAGGTACATCTGTGACCGCCTTTA	709
Db	615	CAACG-----TCAGTCAAGGCAGATGACAGATATATCTGTGACCGCTTCTA	659
Qy	710	CCCAGTAGCCTGTGATGGTGTGTGTTTCAATTCACAGCATATATAATGGTGGGTCTCATCCT	769
Db	660	CCCAATGACTTTGTGGGTGGTTGTGTTCAGTTTCAGCAATCATGGTTGGCCCTTATCCT	719
Qy	770	GCCCGCATCGTCATCTCTCTGTGTACTGTCATCATCTCTPAAGCTGTGCACACTCCAA	829
Db	720	GCTGTGATTGTTCATCTCTCTCTGCTATTGCAATTATCACTCCAGCTGTCACTCCAA	779
Qy	830	GGGCCACCAAGACGCAAGGCCCTCAAGACGACAGTCATCCTCATCTAGCTTTCTTTGC	889
Db	780	GGGCCACCAAGACGCAAGGCCCTCAAGACCAAGTCATCCTCATCTGCTTTCTTCGC	839
Qy	890	CTGCTGGCTGCCATATTATGTGGGGATCAAGATCGACTCTCTTCATCTCTTTTGGGAGTCAT	949
Db	840	CTGTTGGCTGCCTTACTACATTGGGATCAAGATCGACTCTCTTCATCTCTCTGGAATTCAT	899
Qy	950	CAAGCAAGGATGTACTTCGAGAGCATGTGCAACAGTGGATCTCCATCACAGAGCCCT	1009
Db	900	CAAGCAAGGATGTAGTTTGGAGAACATCTGTGCAACAGTGGATTTCCATCACCGAGGCCCT	959
Qy	1010	CGCCTTCTTCCACTGTGCTGAACCCCATCTCTATGCTCTCTCGGGGCCAAGTTCAA	1069
Db	960	AGCTTTCTTCCACTGTGTGTGNAACCCCATCTCTATGCTTTCTTGGAGCCAAATTTAA	1019
Qy	1070	AAGCTCTGCCACGATGCATCAACTCCATGACGAGAGGCTCCAGCTCAAGATCTTTTC	1129
Db	1020	AACCTCTGCCACGACGCACTCACTCTGTGACGAGGGTCCAGCCTCAAGATCTCTCTC	1079
Qy	1130	CAAAAGAAAGCGGGTGGACATCTTCGTCTCCACGGAGTCAGATCTCTCCAGTTTTCA	1189
Db	1080	CAAAAGAAAGCGAGGTGGACATTCATCTGTGTTTCCACTGAGTCTGAGTCTTCAAGTTTTCA	1139
Qy	1190	CTCCAGCTAACCTTATGCAAGACTTATATAATATATATATATATGATAAAGAACTT	1249
Db	1140	CTCCAGCTAA-----CACAGATGTAAGACTTTTTTTTTATACGATAATACTTTT	1191
Qy	1250	TTTTTATGTTACATATTTCCAGATATAAGAGACTGACCAAGTCTTGTACAGTTTTTTTTT	1309
Db	1192	TTTTTAAGTTACATATTTTCAGATATAAAGACTGACCAATATTTGTACAGTTTTTATGTC	1251
Qy	1310	TTTTTAAATGACGTGTTGGGAGTTTATGTTCTCTAGTTTTTTTGTGAGGTTTGACTTAATTT	1369
Db	1252	TTCTTGGATTTTTTGT-----CTTGTGTTTTTTTGTGTTTTTTGTGAAGTTTTAATGTACTTA	1305

SEQUENCE CHARACTERISTICS:

LENGTH: 1737 bases
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 PCT-US94-06380-2

Query Match 51.9%; Score 974.4; DB 6; Length 1737;

Best Local Similarity 76.1%; Pred. No. 1.2e-181;
 Matches 1391; Conservative 0; Mismatches 301; Indels 136; Gaps 10;

50 GCAGGTAGCAGTACCTCTCAGCGGTTTGGTGTCCGGTAACCAACAGGCTGTAGAGC 109
 20 GCGGGGCGCAAGTGAACCGAGGCGCTGAGTGTCCAGTAGCCACCGCATCTGGAAAC 79
 110 GAGTGTGGCCATGGAACCGATCAGTGTGAGTATATACATCTTCTGATACTACTCTGAAGA 169
 80 CAGCGGTACCATGGA-----GGGGATCAGTATATACATCTTACATTAACATACACCGAGGA 134
 170 AGTGGGTCTGGAGCATATGATCTCAACAGGAACCTCTGTCGGGATGAAACGTCCTCA 229
 135 AATGGGTCTCAGGGGACTATGATCTCCATGAAGAAACCTGTTCCGTGAAGAAATGCTAA 194
 230 TTTCATATAGGATCTTCTGCGCCACCATCTACTTCTCATCATCTTCTTGACTGCGATGCGG 289
 195 TTTCATATATATCTTCTGCGCCACCATCTACTTCTCATCATCTTCTTAACATGCGATGTTGGG 254
 290 CAATGGATTTGGTGTATCTCTGCTCATGGGTTACGAGAAGATTAAGGAGCATGACGGACAA 349
 255 CAATGGATTTGGTGTATCTCTGCTCATGGGTTACGAGAAGATTAAGGAGCATGACGGACAA 314
 350 GTACGGGTGACCTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGT 409
 315 GTACAGGTGACCTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGT 374
 410 AGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGT 469
 375 AGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGT 434
 470 CTACACTGTCAACCTCTACAGCAGCGTGTCTCATCTGCGCTTCTCATGAGCTGTGACCGGTA 529
 435 CTACAGCTCAACCTCTACAGCAGCGTGTCTCATCTGCGCTTCTCATGAGCTGTGACCGGTA 494
 530 CCTCGCATTTGTCAAGCGCACCAACAGTCAAGGCGCAAGGAACTGTGGCTGAAAGGC 589
 495 CCTGGCATTTGTCAAGCGCACCAACAGTCAAGGCGCAAGGAACTGTGGCTGAAAGGC 554
 590 AGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGT 649
 555 GGTCTATGTTGGCGTCTGGATCTGCGCTTCTGCTGACTATTCCTGACTTCTGCTGACTTCTGCT 614
 650 CGAGCTCAGCCAGCGGGGACATCAGTCAAGGCGGATGACAGGTACATCTGTGACCGCTTTA 709
 615 CAAGC-----TCAGTAGGCGAGATGACAGATATATCTGTGACCGCTTCTA 659
 710 CCGCATAGCTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGT 769
 660 CCCCAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGT 719
 770 GCGCGCATGCTCATCTCTCTGTTACTGATCATCATCTCTAAGCTGTGACACTTCAACTCAA 829
 720 GCCTGGTATTTGTATCTCTGCTCTGCTATTTGATTTATCATCTCCAAGCTGTGACACTCCAA 779
 830 GGGCCACAGAGCGGCAAGGCGCTCAAGACAGAGTCTCTCATCTCTAGCTTCTTCTTTCG 889
 780 GGGCCACAGAGCGGCAAGGCGCTCAAGACAGAGTCTCTCATCTCTAGCTTCTTCTTTCG 839
 890 CTGTGCTGCTGCCATTTATTTGTTGGGATCAGCATCGACTCTCTTCTTCTTCTTCTTCTTCTTCTT 949
 840 CTGTGCTGCTGCCATTTATTTGTTGGGATCAGCATCGACTCTCTTCTTCTTCTTCTTCTTCTTCTT 899
 950 CAAGCAGGATGCTGACTTTCGAGCATTTGTCACAGTGGATCTCCATCAGAGGCGCT 1009

900 CAAGCAAGGGTGTGAGTTTGAGAACTGTGCACAAGTGAATTTCCATCACCAGGCGCT 959
 1010 CGCCTTCTTCCACTGTGTCCTGAACCCCATCTCTATGCTCTTCCGCGGCGCAAGTTCAA 1069
 960 AGCTTCTTCCACTGTGTCCTGAACCCCATCTCTATGCTTCTTCCGCGGCGCAAGTTCAA 1019
 1070 AGCTTCTGCGGCGGATGCTCAACTCCTCAGCAGAGGCTCCAGCCTCAAGATCTTCTTTC 1129
 1020 AACCTCTGCGGCGGATGCTCAACTCCTCTGTGAGCAGAGGCTCCAGCCTCAAGATCTTCTTTC 1079
 1130 CAAAGGAAAGCGGGTGGACACTCTTCCGCTCTCCAGCGAGTCAAGAACTCTCCAGTTTCA 1189
 1080 CAAAGGAAAGCGGGTGGACACTCTTCCGCTCTCCAGCGAGTCTGAGTCTTCAAGTTTCA 1139
 1190 CTCAGCTAACCCCTTATGCAAGACTTATATATATATATATATATATATATATATATATATATAT 1249
 1140 CTCAGCTAA-----CACAGATGTAAGAGACTTTTTTTTATACGATAAATACTTTT 1191
 1250 TTTTATGTTACACATTTTCCAGATATATAGAGACTGACCACTCTTGTACAGTTTTTTTTTTT 1309
 1192 TTTTAAAGTTACACATTTTCCAGATATATAAAGACTGACCAATATTTGTACAGTTTTTATATG 1251
 1310 TTTTAAATGCACTGTGCGGAGTTTATGTTCTCTAGTTTGTGAGTGTGAGTGTGAGTGTGAGT 1369
 1252 TTGTGAGTTTTGT-----CTTGTGTTCTTTAGTTTTTTTGTGAAGTTTAAATGACTTA 1305
 1370 ATATAAATATTTTTTTTGTGTTTTCATGTAATAGCGCTCTAGGAGGACCTGTGGCC 1429
 1306 TTTTATA-----TAAATTTTTTTTGTTCATATGATGTGTCTAGGAGGACCTGTGGCC 1361
 1430 AGTTCTTAGTGTGTTTATCTGTGTGAGGAGTGTAGAACTGTAGAGGAGGAACTGA 1489
 1362 AAGTTCTTAGTGTGTTTATCTGTGTGAGGAGTGTAGAA-----AAGGGAAGCTGA 1413
 1490 ACATTCCAGAAATGTGCTGTAATTTGAATAAGCTAGCCGTGATCTCAGCTGTGCTGCA 1549
 1414 ACATTCCAGAGCGTGTAGTGAATCAGTAAAGTAGTAATGATCCCGAGCTGTGTTATGCA 1473
 1550 TAATCTCTTCTTCTTCCGAGGAGCACCACCCACCCACCCACCCACCCACCCACCTTCTTAAT 1609
 1474 TAGATAATCTCTCA----- 1488
 1610 TGTGTTGTTATGCTGTGATGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTT 1669
 1489 -----TTCCGCTGGAACGTTTTTCTGTTCTTAAAGACGCTAT 1535
 1670 TTTTCTGTAAGATGCGACTTAAACCAAAGCTGAAATGGTGGTGAAGATGCTGGGT 1729
 1526 TTTGCTGTAGAGATGCGACTTATACCAAAGCCCAAGTGGT-ATAGAAATGCTGG--- 1581
 1730 TTTTGTGTTGTTGTTTTCAGTTTTTCAAGAGTAGATTGACTTCCAGTCCCTTACAAAT 1789
 1582 -----TTTTTCAGTTTTTCAGGAGTGGTGTGATTTTCAGCACCTAC-AGT 1623
 1790 GTACAGTCTTGTATATCATTTTAAATAAGTCAATGATAAATTAATAAATAAATAAATAA 1849
 1624 GTACAGTCTTGTATTAAGTTGTTTAAATAAAGTACATGTTAACTTAAATAAATAAATAA 1683
 1850 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1877
 1684 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1711

RESULT 11

US-09-517-605-14
 ; Sequence 14, Application US/09517605
 ; Patent No. 6391567
 ; GENERAL INFORMATION:
 ; APPLICANT: Littman, Dan R.
 ; APPLICANT: Kwon, Douglas S.
 ; APPLICANT: van Kooyk, Yvette
 ; APPLICANT: Geijtenbeek, Theo
 ; TITLE OF INVENTION: METHODS OF USING A FACILITATOR OF RETROVIRAL ENTRY INTO

; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 1049-1-017
; CURRENT APPLICATION NUMBER: US/09/517,605
; CURRENT FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 14
; LENGTH: 1679
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-517-605-14

Query Match 50.8%; Score 952.8; DB 3; Length 1679;
Best Local Similarity 80.2%; Pred. No. 2.1e-177;
Matches 1210; Conservative 0; Mismatches 252; Indels 46; Gaps 6;

QY 44 GCAGGTGCAGGTAGCAGTACGCCCTCTGAGCGGTTGGTCTCGGGTAAACCACACCGGCTG 103
DB 12 CGCGCAGCAGGTAGCAAGTGACGCCGAGGGCCTGAGTGTCTCCAGTAGCCACCGCATCTG 71
QY 104 TAGAGCAGGTGTCGATGGACCGATCAGTGTGAGTATATACACTTCTGATTAACACTACTC 163
DB 72 GAGAACACGCGGTACCATGGA-----GGGGATCAGTATATACACTTTCAGATAACTACAC 126
QY 164 TGAAGAAGTGGGCTCTGGAGACTATGACTCCAAAGAGAACCCCTGCTTCGGGATGAAGA 223
DB 127 CGAGGAATAGGGCTCAGGGACTATGACTCCATGAGAGAACCCCTGTTTCCGTGAAGAAA 186
QY 224 CGTCCATTTCAATPAGGATCTTCTGCCCCACCATCTACTTCATCATCTTCTTGTAGTGGCAT 283
DB 187 TGTAAATTTCAATAAAATCTTCTGCCCCACCATCTACTTCATCATCTTCTTAACTGGCAT 246
QY 284 AGTCGGCAATGGATTGGTGTATCTGTGTATGGGTATACAGAGAAAGCTAAGAGAGATGAC 343
DB 247 TGTGGGCAATGGATTGGTGTATCTGTGTATGGGTATACAGAGAAAGCTAAGAGAGATGAC 306
QY 344 GGAAGAGTACCGGCTGCACCTGTGAGTGGTGTGACCTCTCTTGTGTATCATCATCTCCCTT 403
DB 307 GGAAGAGTACCGGCTGCACCTGTGAGTGGTGTGACCTCTCTTGTGTATCATCATCTCCCTT 366
QY 404 CTGGGCGAGTTGATGCCATGGCTGACTGGTATCTTTGGGAAATTTTGTGAAGCGTGTCCA 463
DB 367 CTGGGCGAGTTGATGCCATGGCTGACTGGTATCTTTGGGAAATTTTGTGAAGCGTGTCCA 426
QY 464 TATCATCTACATGTGTAACCTCTACAGCAGCGTTCTCATCTGGCCTTCTATCAGCCTGGA 523
DB 427 TGTCTATCTACAGTCAAACTCTACAGCAGTGTCTCATCTGGCCTTCTATCAGTCTGGA 486
QY 524 CGGTACCTCGCCATGTGTCCAGCCCAACACAGTCAAGGCCCAAGAAAGCTGTGGCTGA 583
DB 487 CCCTACCTGGCCATGTGTCCAGCCCAACACAGTCAAGGCCCAAGAAAGCTGTGGCTGA 546
QY 584 AAAGGCGAGTCTATGTGGCGGTCTGGATCCAGCCCTCTCTCTGACTATATCTGACTTTCAT 643
DB 547 AAAGGCGGTCTATGTGGCGGTCTGGATCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 606
QY 644 CTTTGGCGAGCTCAGCCAGGGGAGACATCAGTCAAGGGGATGACAGGTATCTGTGACCG 703
DB 607 CTTTGGCAACG-----TCAGTGGGCGAGATGACAGATATATCTGTGACCG 651
QY 704 CTTTACCCCGATAGCTGTGGATGGTGTGTTTCAATTCAGCATATATATGTGGGTCT 763
DB 652 CTTTACCCCAATGACTTGTGGGTGTGTTTCCAGTTTTCAGCATCATGTGTGGCT 711
QY 764 CATCTCTCCCGGATCGTATCTCTCTGTGTATCTGATCATCATCTCTAAGCTGTGACA 823
DB 712 TATCTCTCCCTGGTATTGTCTATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 771
QY 824 CTCGAAGGGCCACAGAGCGGCAAGGCCCTCAAGACGACGATCATCTCTCTCTCTCTCTCT 883
DB 772 CTCGAAGGGCCACAGAGCGGCAAGGCCCTCAAGACGACGATCATCTCTCTCTCTCTCTCT 831
QY 884 CTTTGGCTGTGGTGCATATTTATGTGGGGATCAGCATCGACTCTCTCTCTCTCTCTCTCTGGG 943

DB 832 CTTGCGCTGTGGCTGCTTACTACATTGGGATCAGCATCGACTCTTCTCATCTCTCTGGA 891
QY 944 AGTCATCAAGCAAGAGATGTGATCTTGAGAGCAATTTGTGCAAAAGTGGATCTCCATCACA 1003
DB 892 AATCATCAAGCAAGGGTGTGAGTTTGAGAACACTGTGCAAAAGTGGATTTCCATCACCGA 951
QY 1004 GGCCCTCGCTTCTTCCACTGTGGCTGAACCCCATCTCTATGCTTCTCTCGGGGCCAA 1063
DB 952 GGCCCTAGCTTCTTCCACTGTGTGCTGAACCCCATCTCTATGCTTCTTGGAGCCAA 1011
QY 1064 GTTCAAAAGCTCTGCCCAGCATGCACTCAACTCCATGAGCAGAGGCTCCAGCCTCAAGAT 1123
DB 1012 ATTAAAACTCTGCCACGACGCACTCACTCTGTGACGAGGGTCCAGCCTCAAGAT 1071
QY 1124 CTTTCCAAAGAAAGCGGGGTGGACACTCTTCCGTCTCCAGGAGTCAAGATCTCTCCAG 1183
DB 1072 CTTCTCCAAAGAAAGCGAGGTGGACATTCATCTGTTTCCACTGTGAGTCTGAGTCTTCAAG 1131
QY 1184 TTTTCACTCCAGTAACTTATGCAAGACTTATATATATATATATATATATATATATATAA 1243
DB 1132 TTTTCACTCCAGTAACTTATGCAAGACTTATATATATATATATATATATATATATAA 1183
QY 1244 GAACCTTTTATGTGTACACATTTTCCAGATATAAGAGACTGACCACTCTGTACAGTTTT 1303
DB 1184 ACTTTTATAGTTTACACATTTTCCAGATATAAGAGACTGACCACTTGTACAGTTTT 1243
QY 1304 TTTTCTTTTAAATGACCTGTGGGAGTTTATGTTCTCTCTAGTTTGTGAGGTTTGAAT 1363
DB 1244 TATGCTTCTGTGATTTTGT-----CTTGTGTTTCTTTAGTTTGTGAAGTTTAAAT 1297
QY 1364 TAATTTATATAAATTTGTTTCTTCTGTTTCTGTTTCTGTTTCTGTTTCTGTTTCTGTTT 1423
DB 1298 GACTTATTTATA-----TAAATTTTTTGTTCATATGATGTGTCTAGGACGACCT 1353
QY 1424 GTGGCCAAAGTCTTCTAGTGTCTTATCTGTGTAGGACTGTAGAACTGTAGAGGAAGA 1483
DB 1354 GTGGCCAAAGTCTTCTAGTGTCTTATGTTCTGTTGTTAGGACTGTAGAA-----AAGGG 1405
QY 1484 AACTGAACATTTCCAGATGTGGTAAATGAAATGAAATGAAATGAAATGAAATGAAATGAA 1543
DB 1406 AACTGAACATTTCCAGAGCGTGTAGTGAATCAGGTTAAAGCTAGAAATGATCCCGAGCTGT 1465
QY 1544 GCTGCATA 1551
DB 1466 TATGCATA 1473

RESULT 12
US-09-582-224A-5
; Sequence 5, Application US/09582224A
; Patent No. 6429308
; GENERAL INFORMATION:
; APPLICANT: IJIMA, Osamu
; APPLICANT: GOTO, Takeshi
; APPLICANT: SHIMADA, Takeshi
; TITLE OF INVENTION: HIV Infection Inhibitors
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/09/582,224A
; CURRENT FILING DATE: 2000-07-21
; PRIOR APPLICATION NUMBER: PCT/JP99/06534
; PRIOR FILING DATE: 1999/11/24
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: Microsoft Word
; SEQ ID NO 5
; LENGTH: 1664
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: cDNA of CXCR4
US-09-582-224A-5

Query Match 50.7%; Score 951.8; DB 3; Length 1664;

1001	TTTTAAACCTCTGCCCAGCAGCACTCACTCTGTGAGCAGAGGGTCCAGCCTCAAGATC	1061
1125	CTTTCCAAAGAAAGCGGGTGGACACTCTTCGGTCTCCACGGAGTCAGAAATCCTCCAGT	1184
1061	CTCTCCAAAGAAAGCGGGTGGACACTTCATCTGTTTCCACTGAGTCTGAGTCTTCAAGT	1120
1185	TTTCACTCCAGCTAACCCCTTATGCAAAAGACTTATATAATAATATATATATATATGATAAAG	1244
1121	TTTCACTCCAGCTAACACAGATGTAAAGACTTTTTT-----TTTATACGATAAATAA	1172
1245	AACTTTTTTATGTTACACAAATTTTCCAGATATAAGACACTGACCAGTCTTGTCACAGTTTTT	1304
1173	CTTTTTTTTTTAAGTTACACAAATTTTTCAGATATAAAAGACTGACCAATATTGTACAGTTTTT	1332
1305	TTTTTTTTTTAAATGACTGTGGGAGTTTATGTTCTCTAGTTTTTGTGAGGTTTGCACCT	1364
1233	ATTGCTTTGTTGATTTTTTCT-----CTTGTGTTTCTTTAGTTTTTGTGAAGTTTAATTG	1286
1365	AAATTAATAATAATATGTTTTTTTGTGTTTCAATGGAATGAGCGCTGAGGCAAGGACCTG	1424
1287	ACTTATTTTATA---TAAATTTTTTTTTTGTGTTTCAATATGATGTGTCTAGGCAAGGACCTG	1342
1425	TGGCCAAAGTCTTAGTAGCTGTTTATCTGTCGTAGGACTGTAGAAGCTGTAGAGGAAGAA	1484
1343	TGGCCAAAGTCTTAGTTGCTGTATGTCCTGTTGTTAGGACTGTAGAA-----AAGGGA	1394
1485	ACTGAACATTTCCAGAAATGTGTGTAATTAATTAAGCTAGCCGTGATCTCAGCTGTTG	1544
1395	ACTGAACATTTCCAGCGGTGATGTTAATCAGCTAAAGCTAGAAATGATCCCCAGCTGTTT	1454
1545	CTGCATA 1551	
1455	ATGCATA 1461	

RESULT 13

US-09-023-655-1213

; Sequence 1213, Application US/09023655

; Patent No. 6607879

; GENERAL INFORMATION:

; APPLICANT: Cocks, Benjamin G.

; APPLICANT: Susan G. Stuart

; APPLICANT: Jeffrey J. Seilhamer

; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE

; TITLE OF INVENTION: EXPRESSION

; NUMBER OF SEQUENCES: 1508

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.

; STREET: 3174 PORTER DRIVE

; CITY: PALO ALTO

; STATE: CALIFORNIA

; COUNTRY: USA

; ZIP: 94304

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/023,655

; FILING DATE: HEREWITH

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER:

; FILING DATE:

; CLASSIFICATION:

; ATTORNEY/AGENT INFORMATION:

; NAME: Zeller, Karen J.

; REGISTRATION NUMBER: 37,071

; REFERENCE/DOCKET NUMBER: PA-0001 US

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (650) 855-0555

; TELEFAX: (650) 845-4166

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; INFORMATION FOR SEQ ID NO: 1213:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1664 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: g219868
; US-09-023-655-1213

Query Match      50.7%; Score 951.8; DB 3; Length 1664;
Best Local Similarity 80.2%; Pred. No. 3.3e-177;
Matches 1209; Conservative 0; Mismatches 252; Indels 46; Gaps 6;

QY 45 CAGGTGAGGTAGCAGTACGACCTCTGAGGGCTTTGGTGTCTCGGTAAACCAACAGGGGTGT 104
DB 1 CGGCAGCAGGTAGCAAAAGTACGCGCGAGGGCTGAGTGTCTCCAGTAGCCACCGCATCTGG 60
QY 105 AGAGCCAGTGTTCGCCATGGAAACGATCAGTGTGAGTATATACACTTCTGATRACTACTCT 164
DB 61 AGAACAGCGGTTACCATGGA-----GGGGATCAGTATATACACTTTCAGATAACTACACC 115
QY 165 GAAGAAAGTGGGTCTGGAGACTATGACTCCAAACAGGAACCCCTGCTTCCGGGATGAAAC 224
DB 116 GAGGAATGGGCTCAGGGACTATGACTCCATGAGGAACCCCTGTTCCGTGAAGAAAT 175
QY 225 GTCATTTCAATAGGATTTCTTCGCCCAACCATCTACTTCATCATCTCTTTGATCGGCATA 284
DB 176 GCTAAATTTCAATAAATCTTCTCGCCCAACCATCTACTCCATCATCTTCTTAACTGGCAIT 235
QY 285 GTCGGCAATGGATTTGGTATCTCTGTCATGCTGATGGTGTACAGGAAGCTTAGGACATGACG 344
DB 236 GTGGGCAATGGATTTGGTATCTCTGTCATGCTGATGGTGTACAGGAAGAACTGGAAGCATGACG 295
QY 345 GACAAGTACCGGCTGCACCTGTGAGTGGCTGACCTCTCTTTGTGTCATCACACTCCCTTTC 404
DB 296 GACAAGTACAGGCTGCACCTGTGAGTGGCGGACCTCTCTTTGTGTCATCAGCTTCCCTTC 355
QY 405 TGGGAGTGTGATGGCGTGTGATCCAGCCCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 464
DB 356 TGGGAGTGTGATGGCGTGTGATCCAGCCCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 415
QY 465 ATCATCTACACTGTCAACCTCTACAGCAGGCTGTCTATCTGCTGCTGCTGCTGCTGCTGCT 524
DB 416 GTCATCTACAGCTCAACCTCTACAGCAGGCTGTCTATCTGCTGCTGCTGCTGCTGCTGCTG 475
QY 525 CGGTACTCTCGCCATTTGCAAGCCCAACCAACAGTCAAGGCGCAAGGAACTGCTGGCTGAA 584
DB 476 CGCTACTTGGCCATCGTCCAGCCCAACCAACAGTCAAGGCGCAAGGAACTGCTGGCTGAA 535
QY 585 AAGGAGTCTATGTGGCGTGTGATCCAGCCCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 644
DB 536 AAGTGTGCTATGTGGCGTGTGATCCAGCCCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 595
QY 645 TTTGCGAGTGCAGCCAGGGGACATCAGTCAGGGGATGACAGGTACATCTCTGACCCG 704
DB 596 TTTGCGCAACG-----TCAGTGAGCGAGATGACAGATATATCTGTGACCCG 640
QY 705 CTTTACCCCGATGCTGTGGATGGTGTGTTTCAATTCAGCATATATAATGTTGGGTCTC 764
DB 641 TTTCAACCCCAATGCTGTGGGTGGTGTGTTTCCAGTTTCAGCACATCATGTTGGCTT 700
QY 765 ATCTGCGCGGATGCTGTCCTCTCTGTTTATGCGATCATCTCTTAAGCTGTACAC 824
DB 701 ATCTGCTGCTGTTATGTCATCTCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 760
QY 825 TCCAGGGCCACCAAGAGCCAGGCCCTCAAGACGACGTCTATCTCTCATCTGCTGCTTTC 884
DB 761 TCCAGGGCCACCAAGAGCCAGGCCCTCAAGACGACGTCTATCTCTCATCTCTGCTGCTTTC 820
QY 885 TTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 944

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DB 821 TTGCGCTGTGGCTGCTTACTACATTGGGATCAGCATCGACTCTCTTCATCTCTCTGGAA 880
QY 945 GTCATCAAGCAAGGATGTGACTTCGAGAGCATTTGTGCACAAAGTGGATCTCCATCAGAG 1004
DB 881 ATCATCAAGCAAGGATGTGAGTTTGAGAACACTGTGCACAAAGTGGATTTCCATCACCAG 940
QY 1005 GCGCTCGCTTCTTCCACTGTTCCTGAAACCCCATCTCTATGCGCTTCTCTCGGGGCCAAG 1064
DB 941 GCGCTAGCTTCTTCCACTGTTCCTGAAACCCCATCTCTATGCTTCTCTCGAGGCCAA 1000
QY 1065 TTCAAAAGCTCTGCCAGCATCACTCAACTCAATGAGCAGAGGCTCCAGCTCAAGATC 1124
DB 1001 TTTAAACCTCTGCCAGCAGCAGCTCACTCTGTGAGCAGAGGGTCCAGCTCAAGATC 1060
QY 1125 CTTTCCAAAGGAAGCGGGGTGGACACTCTTCGCTCCACGAGTCAAGATCTCTCACT 1184
DB 1061 CTCCTCAAAGGAAGCGGGGTGGACATTCATCTGTTTCCACTGAGTCTGAGTCTTCAAGT 1120
QY 1185 TTTCACTCCAGCTAACCTTATGCAAGACTTATATAATATATATATATATATATATATAAG 1244
DB 1121 TTTCACTCCAGCTAACAGATGTAAGACTTTTT-----TTTATACGATAATAA 1172
QY 1245 AACTTTTTTATGTACACATTTTCCAGATATAGAGACTGACAGCTCTGTGTACAGTTTTT 1304
DB 1173 CTTTTTTTTAAGTTACACATTTTTCAGATATAAAGACTGACCAATATTGTACAGTTTTT 1232
QY 1305 TTTTTTTTTAATTGACTGTTCGGAGTTTATGTTCTCTAGTTTGTGAGGTTTCACTT 1364
DB 1233 ATTGCTGTGTGAGTTTGT-----CTTGTGTCTTCTTGTGTTTGTGAAGTTTAAITG 1286
QY 1365 AATTATATAAATATTTTGTGTTTGTTCATGTGAATGAGCGTCTAGGCGAGGACCTG 1424
DB 1287 ACTTATTATA-----TAATTTTTTTTTTTCATATTGATGTGTCTAGGCGAGGACCTG 1342
QY 1425 TGGCCAAAGTCTTAGTGTGTTTATCTGTGTGAGGACTGTAGAACTGTAGAGGAAGAA 1484
DB 1343 TGGCCAAAGTCTTAGTGTGTTTATGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1394
QY 1485 ACTGAACATTCAGATGTGTGTAATTAATTAAGCTAGCGTGAATCTCAGCTGCTGCTGCTG 1544
DB 1395 ACTGAACATTCAGAGCGGTGTAGTTAATCACGTAAAGCTAGAAATATCCCCAGCTGTTT 1454
QY 1545 CTGCATA 1551
DB 1455 ATGCATA 1461

RESULT 14
US-09-016-434-1235
; Sequence 1235, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HEREWITH
; CLASSIFICATION:

```


TELEPHONE: (312) 474-6300
TELEFAX: (312) 474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 45:
SEQUENCE CHARACTERISTICS:
LENGTH: 1317 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 201..1211
US-08-153-848-45

Query Match 44.5%; Score 834.6; DB 2; Length 1317;
Best Local Similarity 83.9%; Pred. No. 2.9e-154;
Matches 977; Conservative 0; Mismatches 164; Indels 24; Gaps 2;

Qy	134	TGTGAGTATATACACTTCTGATAA	CTCTGAAGAGTGGGCTCTGGAGACTATGACTC	193
Db	164	TTTGCAGATATACATTTCA	GCATTAACACCGAGGAATGGGCTCAGGGGACTATGACTC	223
Qy	194	CAAAAGGAACCTTGCTTC	CGGGATGAAAAAGTCCATTTCAATAGGATCTTCTCGCCAC	253
Db	224	CATGAAGGAACCTGTTT	CGTGAAGAAATGCTAATTTCAATAAATCTTCTCGCCAC	283
Qy	254	CATCTACTTCATCATCTT	CTTGATGGCATAGTCGGCAATGGATGGTGTATCTCGTGCAT	313
Db	284	CATCTACTTCATCATCTT	CTTAACTGGCAATGTGGCAATGGATGGTGCATCTCGTGCAT	343
Qy	314	GGGTACCAGAAGCTAAGG	AGCATGACGGAAGTACCGGCTGCACCTGTCAGTGGC	373
Db	344	GGGTACCAGAAGAACTG	AGAAGCATGACGGAAGTACAGGCTGCACCTGTCAGTGGC	403
Qy	374	TGACCTCCTCTTTGT	CATCACACTCCCTTTCTGGGAGTTGATGCCATGGCTGACTGGTA	433
Db	404	CGACCTCCTCTTTGT	CATCAGCTTCCCTTCTGGGAGTTGATGGCTGGCAACTGGTA	463
Qy	434	CTTTGGGAATTTTGT	GTGAAGGCTGTCCATATCATCTACATGTCAACCTCTACAGCAG	493
Db	464	CTTTGGGAATTTCT	TATGCAAGGCAAGTCCATGTCTACACAGTCAACCTCTACAGCAG	523
Qy	494	CGTTCTCATCCTCGC	CTTCATCAGCTGACCGGTACCTCGCCATGTCCACGCCACCA	553
Db	524	TGTCCTCATCCTGGC	CTTCATCAGCTGTGACCGGTACCTCGCCATGTCCACGCCACCA	583
Qy	554	CAGTCAAAAGGCCAAG	AAACTGTGGCTGAAAAAGGCAAGTCTATGTGGGCGTCTGGATCCC	613
Db	584	CAGTCAAGAGGCCAAG	AAAGCTGTTGGCTGAAAAGTGGTCTATGTTGGGCGTCTGGATCCC	643
Qy	614	AGCCCTCCTCTGACT	ATACCTGACTTCATCTTTGGCGAGCTCAGCCAGGGGGACATCAG	673
Db	644	TGCCCTCCTGCTGACT	ATATCCGACTTCATCTTTGGCAAGC-----TCAG	688
Qy	674	TCAGGGGGATGACAG	GTACATCTGTACCGCCTTTACCCGATAGCTGTGGATGGT	733
Db	689	TGAGGCAGATGACAG	ATATATCTGTGACCCCTTCTACCCCAATGACTTGTGGTGGTGT	748
Qy	734	GTTTCAATTCAGCA	TATAATGGTGGGTCTCATCTGSCCGGCATCGTCAATCTCTCCTG	793
Db	749	GTTCAGATTCAGCA	CATCATGTTGGCCCTTATCTCGCCTGGTATTGTCATCTCTGCTG	808
Qy	794	TTACTGCATCATCT	CTTAAGCTGTACACTCAAGGGGCACAGAGGCGAAGGCCCT	853
Db	809	CTATTGCATTTAT	CATCTCCAAAGCTGTCACTCAAGGGGCACAGAGGCGAAGGCCCT	868
Qy	854	CAAGACGACAGTCA	TCATCTAGCTTTCTTTGGCCTGTGGCTGCATATTATGTGGG	913
Db	869	CAAGACGACAGTCA	TCATCTAGCTTTCTTTGGCCTGTGGCTGCCTTACTACATGG	928
Qy	914	GATCAGATCGACTC	CTCTTCTTTGGGAGTCAATCAAGCAAGGATGTGACTTTCCAGAG	973

Search completed: January 10, 2006, 20:53:55
Job time : 411 secs

Db	929	GATCAGATCGACTCCT	CTTTCATCCTCTGGAAATCATCAAGCAAGGGTGTGAGTTTGAGAA	988
Qy	974	CATTGTGCACAAGT	TGGATCTCCATCACAGAGGCCCTCGCCTTTCTTCCACTGTGTGCTGAA	1033
Db	989	CACGTGTGCACAAG	TGGATTTCCATCACCGAGGCCCTAGCTTTCTTCCACTGTGTGCTGAA	1048
Qy	1034	CCCATCCTCTATG	CTTCTCGGGGCCAAAGTTCAAAAGCTCTGCCAGCATGCACCTCAA	1093
Db	1049	CCCATCCTCTATG	CTTCTTGGAGCCAAATTTAAACCTCTGCCAGCAGCATCTCAC	1108
Qy	1094	CTCCATGAGCAGAG	GCTCCAGCTCAAGATCCTTTCCAAAGGAAAGCGGGGTGGACACTC	1153
Db	1109	CTCTGTGAGCAGAG	GGTCCAGCTCAAGATCCTCTCCAAAGGAAAGCGAGGTGGACATTC	1168
Qy	1154	TTCCGTCTCCACG	GAGTCAGAATCCTCCAGTTTTCACCTCCAGTAACTTTATGCAACGA	1213
Db	1169	ATCTGTTTCCACT	GAGTCTTGAGTCTTTCAAGTTTTCACCTCCAGCTAACACAGATGTAAA--	1226
Qy	1214	CTTATAATAATAT	ATATATATATATAAAGAACTTTTATGTTTACACATTTTCCAGAT	1273
Db	1227	-----AGACT	TTTTTATACGATAAATAACCTTTTTTTTAAAGTTACACATTTTTCAGAT	1279
Qy	1274	ATAAGAGACTGAC	CACTCTTGATACA	1298
Db	1280	ATAAAAGACTGAC	CAATATTGAAAA	1304

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: January 10, 2006, 20:34:06 ; Search time 1633 Seconds

(without alignments)

9504.974 Million cell updates/sec

Title: US-09-367-052-1

Perfect score: 1877

Sequence: 1 ccatcctaataagactcaact.....aaaaaaaaaaaaaaaaaaaaa 1877

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 19587084

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA.Main.*
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2: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq.*
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10: /cgn2_6/ptodata/1/pubpna/US11_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1758	93.7	1758	8	US-10-785-230-4
2	974.4	51.9	1737	3	US-09-104-063-3
3	974.4	51.9	1737	7	US-10-666-689-3
4	970	51.7	1826	8	US-10-723-860-5773
5	964.2	51.4	1699	8	US-10-775-920-373
6	960.4	51.2	1662	7	US-10-706-265-11
7	952.8	50.8	1679	5	US-10-151-274-14
8	952.8	50.8	1679	5	US-10-225-567A-75
9	952.8	50.8	1679	6	US-10-021-660-58
10	952.8	50.8	1679	6	US-10-170-385-332
11	952.8	50.8	1679	6	US-10-341-434-177
12	952.8	50.8	1679	6	US-10-172-118-912
13	952.8	50.8	1679	7	US-10-211-462-80
14	952.8	50.8	1679	7	US-10-181-906-9
15	952.8	50.8	1679	7	US-10-342-887-912
16	952.8	50.8	1679	8	US-10-775-920-366
17	952.8	50.8	1679	8	US-10-278-698-64
18	952.8	50.8	1679	8	US-10-278-698-578
19	952.8	50.8	1679	9	US-10-888-313A-62
20	952.8	50.8	1679	9	US-10-486-471-19
21	952.8	50.8	1711	3	US-09-971-392-20
22	952.8	50.8	1711	6	US-10-101-510-459
23	951.8	50.7	1664	7	US-10-641-643-1213

ALIGNMENTS

RESULT 1

US-10-785-230-4
; Sequence 4, Application US/10785230
; Publication NO. US20040209837A1
; GENERAL INFORMATION:
; APPLICANT: KISHIMOTO, Tadamiu
; APPLICANT: NAGASAWA, Takashi
; APPLICANT: TACHIBANA, Kazunobu
; APPLICANT: CHUGAI SEIVAKU KABUSHIKI KAISHA
; TITLE OF INVENTION: Vascularization Inhibitors
; FILE REFERENCE: 46124-5042-US
; CURRENT APPLICATION NUMBER: US/10/785,230
; CURRENT FILING DATE: 2004-02-25
; PRIOR APPLICATION NUMBER: PCT/JP99/01448
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: JP10/95448
; PRIOR FILING DATE: 1998-03-24
; NUMBER OF SEQ ID NOS: 12
; SEQ ID NO 4
; LENGTH: 1758
; TYPE: DNA
; ORGANISM: Mus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(1080)
; OTHER INFORMATION:
US-10-785-230-4

Query Match 93.7%; Score 1758; DB 8; Length 1758;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 1758; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	120	ATGGACCCGATCAGTGTGAGTATATACACTTCTGATAACTCTCTGAAGAGTGGGGTCT	179
Db	1	ATGGAAACCCGATCAGTGTGAGTATATACACTTCTGATAACTCTCTGAAGAGTGGGGTCT	60
Qy	180	GGAGACTATGACTCCAAACAGGAACCCCTCTCCGGGATGAAACCTCCATTTCAATAGG	239
Db	61	GGAGACTATGACTCCAAACAGGAACCCCTCTCCGGGATGAAACCTCCATTTCAATAGG	120
Qy	240	ATCTTCTCCGACCATCTACTTCATCTCTTGAATGGCATAGTCGGCAATGGATTG	299
Db	121	ATCTTCTCCGACCATCTACTTCATCTCTTGAATGGCATAGTCGGCAATGGATTG	180
Qy	300	GTGATCTCGTTCATGGGTTTACCAGAGAGCTAAGGAGCATGACGACAGTACCGGCTG	359

Db	181	GTGATCTCTGTCATGTGGGTATCCAGAAAGAGCTAAGGAGCATGACGGACAAGTACCGGCTG	240
Qy	360	CACCTGTCACTGGCTGACCTCTCTTTGTGCATCACACTCCCCCTCTGGGCAGTTGATGCC	419
Db	241	CACCTGTCACTGGCTGACCTCTCTTTGTGCATCACACTCCCCCTCTGGGCAGTTGATGCC	300
Qy	420	ATGCTGACCTGGTACTTTTGGAAATTTTGTGAAGCTGTCCATATCATCTACACTGTCT	479
Db	301	ATGCTGACCTGGTACTTTTGGAAATTTTGTGAAGCTGTCCATATCATCTACACTGTCT	360
Qy	480	AACTCTACAGCAGCGTTCTCATCTGGCCCTTCATCAGCTGGACGGTACCTCGCCATT	539
Db	361	AACTCTACAGCAGCGTTCTCATCTGGCCCTTCATCAGCTGGACGGTACCTCGCCATT	420
Qy	540	GTTCAAGCCACCAACAGTCAAAGGCCAAGGAAACTGCTGGCTGAAAGGCAGTCTATGTG	599
Db	421	GTCAAGCCACCAACAGTCAAAGGCCAAGGAAACTGCTGGCTGAAAGGCAGTCTATGTG	480
Qy	600	GGCGTCTGGATCCAGCCCTCTCTGACTATATACCTGACTTCATCTTTTGGCGAGCTCAGC	659
Db	481	GGCGTCTGGATCCAGCCCTCTCTGACTATATACCTGACTTCATCTTTTGGCGAGCTCAGC	540
Qy	660	CAGGGGACATCAGTCAAGGGGATGACAGGTACATCATCTGACCGCTTTTACCCGGATAGC	719
Db	541	CAGGGGACATCAGTCAAGGGGATGACAGGTACATCATCTGACCGCTTTTACCCGGATAGC	600
Qy	720	CTGTGGATGTGGTGTCTTCAATCCAGCATATATGTGGGTCTCATCTGCCCGGCATC	779
Db	601	CTGTGGATGTGGTGTCTTCAATCCAGCATATATGTGGGTCTCATCTGCCCGGCATC	660
Qy	780	GTCACTCTCTCTGTATCTGCATCATCTCTAAGCTGTCACTCCAAAGGCCACCCAG	839
Db	661	GTCACTCTCTCTGTATCTGCATCATCTCTAAGCTGTCACTCCAAAGGCCACCCAG	720
Qy	840	AAGCGCAAGGCCCTCAAGACGACGTATCTCTAGCTTCATCTCTAGCTTTCTTTGGCTGCTG	899
Db	721	AAGCGCAAGGCCCTCAAGACGACGTATCTCTAGCTTCATCTCTAGCTTTCTTTGGCTGCTG	780
Qy	900	CCATATTATGTGGGATCAGCATCGACTCTTTCATCTCTTTTGGGAGTCATCAAGCAAGGA	959
Db	781	CCATATTATGTGGGATCAGCATCGACTCTTTCATCTCTTTTGGGAGTCATCAAGCAAGGA	840
Qy	960	TGTGACTTCGAGAGCATTTGTGCACAAGTGGATCTCCATCAAGAGGCCCTCGCCTCTCTC	1019
Db	841	TGTGACTTCGAGAGCATTTGTGCACAAGTGGATCTCCATCAAGAGGCCCTCGCCTCTCTC	900
Qy	1020	CATGTTGCTGTAACCCCATCTCTATGCTTCTCGGGGCAAGTTCAAAAGCTCTGCC	1079
Db	901	CATGTTGCTGTAACCCCATCTCTATGCTTCTCGGGGCAAGTTCAAAAGCTCTGCC	960
Qy	1080	CAGCATGCACCTCAACTCCATGAGCAGAGGCTCCAGCTCAAGATCTCTTCCAAAGGAAAG	1139
Db	961	CAGCATGCACCTCAACTCCATGAGCAGAGGCTCCAGCTCAAGATCTCTTCCAAAGGAAAG	1020
Qy	1140	CGGGGTGGACACTCTTCGCTCCACGGAGTCAGAATCTCTCCAGTTCCTCAGCTAA	1199
Db	1021	CGGGGTGGACACTCTTCGCTCCACGGAGTCAGAATCTCTCCAGTTCCTCAGCTAA	1080
Qy	1200	CCCTTATGCAAGAAGCTTATATAATATAATATAATATATATATATATATATATATATAT	1259
Db	1081	CCCTTATGCAAGAAGCTTATATAATATAATATAATATAATATATATATATATATATAT	1140
Qy	1260	CACATTTTCCAGATATAAGACATGACCGTCTGTACGTCTTTTCTTTTCTTTTCTTTTCT	1319
Db	1141	CACATTTTCCAGATATAAGACATGACCGTCTGTACGTCTTTTCTTTTCTTTTCTTTTCT	1200
Qy	1320	ACTGTTGGGAGTTTATGTTCTCTAGTTTGTGAGGTTTGACCTTAATTTATATAATAT	1379
Db	1201	ACTGTTGGGAGTTTATGTTCTCTAGTTTGTGAGGTTTGACCTTAATTTATATAATAT	1260
Qy	1380	TGTTTTTGTGTTTCTATGTGAATAGCGCTTAGGACGACCTGTGGCCAAAGTCTCTTAG	1439
Db	1261	TGTTTTTGTGTTTCTATGTGAATAGCGCTTAGGACGACCTGTGGCCAAAGTCTCTTAG	1320

RESULT 2
US-09-104-063-3
Sequence 3, Application US/09104063
Patent No. US20020168356A1
GENERAL INFORMATION:
APPLICANT: Lee, James
APPLICANT: Wood, William I.
TITLE OF INVENTION: PP4A Receptors
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/104,063
FILING DATE: 24-June-1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/701265
FILING DATE: 22-Aug-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/664228
FILING DATE: 06-JUN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/076093
FILING DATE: 11-JUN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/810782
FILING DATE: 19-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.

REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P0706P2C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-5530
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1737 base pairs
TYPE: Nucleic Acid
STRANDEDNESS: Single
TOPOLOGY: Linear
US-09-104-063-3

Query Match 51.9%; Score 974.4; DB 3; Length 1737;
Best Local Similarity 76.1%; Pred. No. 3.4e-211;
Matches 1391; Conservative 0; Mismatches 301; Indels 136; Gaps 10;

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QY 50 GCAGGTAGCAGTACCCTCTGAGGCGTTGGTGTCTCGGTAAACACACGCGCTGTAGAGC 109
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QY 110 GAGTGTGGCCATGGAACCGCATGAGTGTGAGTATATACACTTCTGATAAATCTACTCTGAAGA 169
DB 80 CAGCGTTACCATGGA-----GGGGATCAGTATATACACTTCTGATAAATCTACTCTGAAGA 134
QY 170 AGTGGGGCTCTGGAGACTATGACTCCAAAGGAACCCCTGCTTCGGGATGAAACCGTCCA 229
DB 135 AATGGGCTCAGGGGACTATGACTCCATGAAGGAACCCCTGTTCCGTGAAGAAATGCTAA 194
QY 230 TTTCATAGAGTCTTCTGCGCCACCATCTACTTCATCATCTTCTGACTGGCATAGTTCGG 289
DB 195 TTTCATAGAGTCTTCTGCGCCACCATCTACTTCATCATCTTCTTAACTGGCATAGTTCGG 254
QY 290 CAATGAGTGGTGTATCTGCTGATGGTGTACCAAGGAAGCTAAGGAGCATGACGGCAA 349
DB 255 CAATGAGTGGTGTATCTGCTGATGGTGTACCAAGGAAGCTAAGGAGCATGACGGCAA 314
QY 350 GTACCGGCTGCACCTGTGAGTGGTGTACCTCTCTTGTGATCAGTCTCCCTTCTGGGC 409
DB 315 GTACCGGCTGCACCTGTGAGTGGTGTACCTCTCTTGTGATCAGTCTCCCTTCTGGGC 374
QY 410 AGTTGATGCCATGCTGACTGTGTTGTTGGGAAATTTTGTGTGTAAGCTGTGCTCATATCAT 469
DB 375 AGTTGATGCCATGCTGACTGTGTTGTTGGGAAATTTTGTGTGTAAGCTGTGCTCATATCAT 434
QY 470 CTACAGTCTCAACCTCTACAGCAGCTTCTCATCTCGGCTTCTCATCAGCTGACCGGTA 529
DB 435 CTACAGTCTCAACCTCTACAGCAGCTTCTCATCTCGGCTTCTCATCAGCTGACCGGTA 494
QY 530 CTTGCGCATTTGTCACGCGCAACCAAGCTCAAGGCGCAAGGAAACTGTGCTGAAAGGC 589
DB 495 CTTGCGCATTTGTCACGCGCAACCAAGCTCAAGGCGCAAGGAAACTGTGCTGAAAGGC 554
QY 590 AGTCTATGTTGGGCTGTGGATGCCAGCCCTCTCTGATATATACCTGACTTTGATCTTTGC 649
DB 555 GGTCTATGTTGGGCTGTGGATGCCAGCCCTCTCTGATATATACCTGACTTTGATCTTTGC 614
QY 650 CGAGCTCAGCCAGGGGACATCAGTCAAGGGGATGACAGTATCATCTGTGACCGCTTTA 709
DB 615 CAACG-----TCAGTAGGAGATGACAGATATATCTGTACCGCTTCTA 659
QY 710 CCCCGATAGCTGTGGATGGTGTGTTTCAATTTCCAGCATATATGTTGGGCTCTCATCTCT 769
DB 660 CCCCATGACTGTGGGTTGTGTTCCAGTTTTCAGCATATATGTTGGGCTTATCTCT 719
QY 770 GCCCGCATCGTCTATCTCTGTTTACTGTCATCATCTCTAAGCTGTCACTCCAA 829
DB 720 GCCTGGTATTGTCTATCTCTGTTCTTCTGTTTCTGTTTCTGTTTCTGTTTCTGTTTCTGTT 779
QY 830 GGGCCACCAAGCGGAGCGCCCTCAAGACGACGATCATCTCTAGCTTTCTTTGC 889
DB 780 GGGCCACCAAGCGGAGCGCCCTCAAGACGACGATCATCTCTAGCTTTCTTTGC 839
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RESULT 3
US-10-666-689-3
; Sequence 3, Application US/1066689

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QY 950 CAAGCAAGGATGTGACTTCGAGAGCATTTGCAACAGTGGATCTCCATCAGAGGCGCT 1009
DB 900 CAAGCAAGGATGTGAGTTTGGAGAACACTGTGCAAAAGTGGATTTCCATCAGAGGCGCT 959
QY 1010 CGCCTTCTTCCACTGTGTGCTGAACCCCATCTCTATGCTCTCTCGGGGCCAAGTTCAA 1069
DB 960 AGCTTCTTCCACTGTGTGCTGAACCCCATCTCTATGCTCTCTCTGAGCCAAATTTAA 1019
QY 1070 AAGCTCTGCCAGCATGCACTCAATCCATGAGAGAGGCTCCAGCTCAAGATCTCTTTC 1129
DB 1020 AAGCTCTGCCAGCATGCACTCAATCCATGAGAGAGGCTCCAGCTCAAGATCTCTTTC 1079
QY 1130 CAAGGAAAGCGGGTGGACACTTCTCCGCTCTCCAGGAGTCAAGATCTCTTCCAGTTTCA 1189
DB 1080 CAAGGAAAGCGGGTGGACACTTCTCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1139
QY 1190 CTCAGCTAACCCCTTATGCAAGACTTATATATATATATATATATATATATATATATAT 1249
DB 1140 CTCAGCTAA-----CACAGATGTAAAGACTTTTATATACGATAAATTAATCTTTT 1191
QY 1250 TTTTATGTTACATTTTCCAGATATAAGAGACTGACCAAGTCTTGTACAGTCTTTTCTTT 1309
DB 1192 TTTTAAAGTTACATTTTCCAGATATAAAGAGACTGACCAATATTTGTACAGTCTTTTATTC 1251
QY 1310 TTTTAAAGTTACAGTGTGGGAGTTTATGTTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1369
DB 1252 TTTTAAAGTTACAGTGTGGGAGTTTATGTTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1305
QY 1370 ATATAAATATGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGT 1429
DB 1306 TTTTATA-----TAAATTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGT 1361
QY 1430 AAGTTCTTATGAGTGTGTTTATCTGTGTAGGACTGTAGAACTGTAGAGGAGAACTGA 1489
DB 1362 AAGTTCTTATGAGTGTGTTTATCTGTGTAGGACTGTAGAACTGTAGAGGAGAACTGA 1413
QY 1490 ACATTCAGAGATGTGTTGTTAAATGAATTAAGCTAGCCGTGATCTCTAGCTGTGTTGCTGA 1549
DB 1414 ACATTCAGAGATGTGTTGTTAAATGAATTAAGCTAGCCGTGATCTCTAGCTGTGTTGCTGA 1473
QY 1550 TAATCTCTTCAATTCGAGGAGCACCACCCACCCACCCACCCACCCACCCACCCACCCAT 1609
DB 1474 TAGATATCTCTCA-----TTCCCGTGGAAACGTTTTCCTGTTCTTAAAGACGTGAT 1488
QY 1610 TGTGTTGTTTATGCTGTGTTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTT 1669
DB 1489 -----TTCCCGTGGAAACGTTTTCCTGTTCTTAAAGACGTGAT 1525
QY 1670 TTTTCTGTTAAAGATGGCATTTAAACCAAGCTGAAATGGTGGTGGTGGTGGTGGTGGTGG 1729
DB 1526 TTTTCTGTTAAAGATGGCATTTAAACCAAGCTGAAATGGTGGTGGTGGTGGTGGTGGTGG 1581
QY 1730 TTTTCTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGT 1789
DB 1582 -----TTTTCAGTTTTCAGGAGTGGGTTGATTTTTCAGGACCTTACAAAT 1623
QY 1790 GTACAGTCTTGTATTAATTTTAAATGAGTCAATGATAAATCTTAAATGAGTCAATGATA 1849
DB 1624 GTACAGTCTTGTATTAATTTTAAATGAGTCAATGATAAATCTTAAATGAGTCAATGATA 1683
QY 1850 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1877
DB 1684 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1711
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Publication No. US20040037830A1

GENERAL INFORMATION:

APPLICANT: Wood, William I.

TITLE OF INVENTION: Human PF4A Receptors, Nucleic Acid Encoding and

FILE REFERENCE: P0706P2C2D2C1

CURRENT APPLICATION NUMBER: US/10/666,689

PRIOR FILING DATE: 2003-09-19

PRIOR APPLICATION NUMBER: US 09/104,063

PRIOR FILING DATE: 1988-06-24

PRIOR APPLICATION NUMBER: US 08/701,265

PRIOR FILING DATE: 1996-08-22

PRIOR APPLICATION NUMBER: US 08/664,228

PRIOR FILING DATE: 1996-06-06

PRIOR APPLICATION NUMBER: US 08/076,093

PRIOR FILING DATE: 1993-06-11

PRIOR APPLICATION NUMBER: US 07/810,782

PRIOR FILING DATE: 1991-12-19

PRIOR APPLICATION NUMBER: US 07/677,211

PRIOR FILING DATE: 1991-03-29

NUMBER OF SEQ ID NOS: 6

SEQ ID NO 3

LENGTH: 1737

TYPE: DNA

ORGANISM: Homo sapien

US-10-666-689-3

Query Match 51.9%; Score 974.4; DB 7; Length 1737;
Best Local Similarity 76.1%; Pred. No. 3.4e-211;
Matches 1391; Conservative 0; Mismatches 301; Indels 136; Gaps 10;

QY 50 GCAGGTAGCAGTACACCTCTGAGGCGTTTGGTCTCGGTAAACCAACCGGTGAGGC 109
DB 20 GCGCGCGCAAGTAGCGCGAGGCGCTGAGTCTCAGTAGCACCGCATCTGGAGAC 79
QY 110 GAGTGTGGCATGGACCGCATCAGTGTGAGTATATACACTTCTGATAAATCTACTCTGAAGA 169
DB 80 CAGCGTTTACATGGA-----GGGGATCAGTATATACACTTTCAGATTAATCTACACCGGGA 134
QY 170 AGTGGGGTCTGGAGATATGACTTCCAAAGAGAACCTGCTCCGGAGTGAACACGTCCA 229
DB 135 AATGGGCTCAGGGGACATGACTCCATGAAGGAACCTGTTCCGTGAAGAAAATGCTAA 194
QY 230 TTTCATAGGATCTTCTCGCCACCACTTACTTTCATCATCTTCTGATCGGATATCGG 289
DB 195 TTTCATATAAATCTTCTCGCCCACTTACTTCTCATCATCTTCTTAACGGCATTTGGG 254
QY 290 CAATGATTTGGTATCTGCTCATGGTTTACAGAGAAAGCTAAGGAGCATGACGGACAA 349
DB 255 CAATGATTTGGTATCTGCTCATGGTTTACAGAGAAAGCTAAGGAGCATGACGGACAA 314
QY 350 GTACCGGCTGCACCTGTGAGTGTGACCTCTCTTTTGTGCATCACACTCCCTTCTGGGC 409
DB 315 GTACAGGCTGCACCTGTGAGTGTGACCTCTCTTTTGTGCATCACACTCCCTTCTGGGC 374
QY 410 AGTTGATGCCATGGCTGACCTGACTTTTGGGAATTTTGTGTAAGGCTGTCCATATCAT 469
DB 375 AGTTGATGCCATGGCTGACCTGACTTTTGGGAATTTTGTGTAAGGCTGTCCATATCAT 434
QY 470 CTACACTGTCAACCTCTACAGCAGCGTTTCTCATCTCGGCCCTTATCAGCCTGGACCGGTA 529
DB 435 CTACACAGTCAACCTCTACAGCAGTGTCTCTCATCTCGGCCCTTATCAGTCTGACCGGCTA 494
QY 530 CTTCCGCAATGTCCAGCCCAACCAAGTCAAGGCCAAGGAACTGTGTGGCTGAAAGGC 589
DB 495 CTTCCGCAATGTCCAGCCCAACCAAGTCAAGGCCAAGGAACTGTGTGGCTGAAAGGC 554
QY 590 AGTCTATGTGGGCTGTGGATCCAGCCCTCTCTGACTATACCTGACTTCTATCTTTC 649
DB 555 GGTCTATGTGGGCTGTGGATCCAGCCCTCTCTGACTATATCCCGACTTCTATCTTTC 614
QY 650 CGACGTCAGCCAGGGGACATCAGTCAGGGGGATGACAGGTACATCTGTGACCGCCTTTA 709

DB 615 CAACG-----TCAGTGAGGCAGATGACAGATATATCTGTGACCGCTTCTA 659
QY 710 CCCCAGATAGCTGTGGATGGTGTTCCTCAATTCAGCATATATAAATGGTGGTCTCATCT 769
DB 660 CCCCAGATAGCTGTGGTGGTGTTCCTCAATTCAGCATATATAAATGGTGGTCTCATCT 719
QY 770 GCGCGGATCGTGCATCTCTCTCTGTGTACGTGCATCATCTCTTAAGCTGTCAACCTCAA 829
DB 720 GCTGTGATGTGATCTCTCTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 779
QY 830 GGGCCACCAAGAGCGCAAGCGCTTCAAGACAGAGTATCTCTCATCTAGCTTTCTTTGC 889
DB 780 GGGCCACCAAGAGCGCAAGCGCTTCAAGACAGAGTATCTCTCATCTAGCTTTCTTTGC 839
QY 890 CTGCTGGCTGCCATATATATGTGGGATCAGCATCGACTCTCTCTCATCTTTGGGAGTCAT 949
DB 840 CTGTTGGCTGCCATATATGTGGGATCAGCATCGACTCTCTCTCATCTTTGGGAGTCAT 899
QY 950 CAAGCAAGGATGTGACTTCGAGAGCATTTGTGCAAGTGGATCTCCATCACAGAGCGCCT 1009
DB 900 CAAGCAAGGATGTGACTTCGAGAGCATTTGTGCAAGTGGATCTCCATCACAGAGCGCCT 959
QY 1010 CGCTTTCTTCCATCTGTGTGCTGAAACCCCATCTCTATGCTCTCTCGGGGCCAAGTTCAA 1069
DB 960 AGCTTTCTTCCATCTGTGTGCTGAAACCCCATCTCTATGCTCTCTCGGGGCCAAGTTCAA 1019
QY 1070 AGCTTTCTTCCATCTGTGTGCTGAAACCCCATCTCTATGCTCTCTCGGGGCCAAGTTCAA 1129
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DB 1140 CTTCCAGTAACTTATGCAAGACTTATATAATATATATATATATATATATATATATAT 1191
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DB 1192 TTTTATGTTTACACNTTTCAGATATAGAGTGTGACAGTGTGACAGTGTGTGTGTGTGT 1251
QY 1310 TTTTATGTTTACACNTTTCAGATATAGAGTGTGACAGTGTGACAGTGTGTGTGTGTGT 1369
DB 1252 TTTTATGTTTACACNTTTCAGATATAGAGTGTGACAGTGTGACAGTGTGTGTGTGTGT 1305
QY 1370 ATATAAATATGTTTGT 1429
DB 1306 TTTTATA-----TAAATTTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1361
QY 1430 AAGTCTTATGAGT 1489
DB 1362 AAGTCTTATGAGT 1413
QY 1490 ACATTCAGAAATGT 1549
DB 1414 ACATTCAGAAATGT 1473
QY 1550 TAATCTTATGAGT 1609
DB 1474 TAGATAATCTCTCA-----TTCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1488
QY 1610 TGT 1669
DB 1489 -----TTCCTGT 1525
QY 1670 TTTTCTGTAAAAGATGGCATTAAAAACCAAGCTGAAATGGTGGTGTGAGAAATCTCGGGT 1729
DB 1526 TTTTCTGTAAAAGATGGCATTAAAAACCAAGCTGAAATGGTGGTGTGAGAAATCTCGGGT 1581
QY 1730 TTTTCTGTAAAAGATGGCATTAAAAACCAAGCTGAAATGGTGGTGTGAGAAATCTCGGGT 1789

Dbbdbdbdbyyy
1582-----TTTTTCAGTCTTTCCAGGATGGGTGTGAATTTCAGACACTAC-AGT 1623

Qy 1790 GTACAGCTCTTGTAATAATCAATTTAAATAAAGTCAATGATAAACCTTAAAAAAAAGAAAAA 1849
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Dbbdbdbyyy
1624 GTACAGCTCTTGTAATAATCAATTTAAATAAAGTACATGTTAAACTTAAAAAAAAGAAAAA 1683
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1850 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1877
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Dbbdbdbyyy
1684 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1711

RESULT 4
US-10-723-860-5773
; Sequence 5773, Application US/10723860
; Publication No. US20040253606A1
GENERAL INFORMATION:
; APPLICANT: Aziz, Nataasha
; APPLICANT: Ginsburg, Wendy M.
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
; FILE OF INVENTION: Methods for Screening for Soft Tissue Sarcoma Modulators
; FILE REFERENCE: 05882.0193.NPUGS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; PRIORITY FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5773
; LENGTH: 1826
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-860-5773

Query Match 51.7%; Score 970; DB 8; Length 1826;
Best Local Similarity 76.1%; Pred.No. 3.5e-210;
Matches 1386; Conservative 0; Mismatches 300; Indels 136; Gaps 10;

Qy 44 GCAGGTGCAGTAGCAGTGAACCCTCTCGAGCGCTTTGGTGCTCCGGTAAACCAACACCGGCTG 103
Db 29 GCGCACAGCATGAGAAGTGAACGCCAGGCGCTGAGTGTCTCAGTAGCCACCGCATCTG 88
Qy 104 TAGAGCAGGTGTTGCCATGGAACCGATCAGTGTGAGTATATACACTTCTGATAACTACTC 163
Db 89 GAGAACACCGCGTTTACCATCGAGGG----ATCAGTATATATACACTTCAGATAACTACAC 143
Qy 164 TGAAGAAGTGGGTCTGAGACACTATGACTCAACAGGAACCCCTGCTCCGGATGA AAA 223
Db 144 CGAGGAAATGGGCTCAGGGGACTATGACTCCATGAAGGAACCCCTGTTTCGTTGAAGAAA 203
Qy 224 CGTCCATTTCAAATAGGATCTTCCTGCCCCCACATCTACTTCATCATCTCTTTGACTGCGAT 283
Db 204 TGCTAAATTTCAAATAAAATCTTCCTGCCCCCACATCTACTTCATCATCTCTTTAACTGGCAT 263
Qy 284 AGTCGGCAATGGATTTGGTGTATCTCTGGTTCATGGGTTACAGAAGAAGCTAAGGAGCATGAC 343
Db 264 TGTGGGCAATGGATTTGTCATCTCTGGTTCATGGGTTACAGAAGAAGCTGAGAAGCATGAC 323
Qy 344 GGACAAGTACGGCTGCAACCTGTGTCAGTGGCTGACCTCTCTTTTGTATATCACTCCCCCTT 403
Db 324 GGACAAGTACAGGCTGCAACCTGTGTCAGTGGCGGACCTCTCTTTGTATCATCACTGCCCTT 383
Qy 404 CTGGGCAAGTTGATGCCATGGCTGACTGTTGGGAAATTTTGTGTGAAGGCTGTCCA 463
Db 384 CTGGGCAAGTTGATGCCCTGGGCAAACTGGTACTTTGGGAATCTTCATATGCAAGGAGTCCA 443
Qy 464 TATCATCTACACTGTCAACCTCTACAGCAGCGTTCATCTCTGGCCCTTCATCAGCCCTGA 523
Db 444 TGTTCATCTACAGCTCAACCTCTACAGCAGTGTCTCTCATCTGGCCCTTCATCAGCTGGA 503
Qy 524 CCGGTA CCTCGCCATTTGCCACGCCAACAAAGTCAAAGGCCAAGGAAATGCTGCTGCTGA 583
Db 504 CCGGTA CCTCGCCATTTGCCACGCCAACAAAGTCAAAGGCCAAGGAAATGCTGCTGCTGA 563

Qy 1664 TTTTITTTTTTCTGTAAAGATGGCACTTAAAAACAAAGCCGTGAAATGGTGGTGAAGATGC 1723
Db 1535 CGTGATTTTCTGTAGAAGATGGCACTTATAACCAAGCCCAAGTGGT-ATAGAAATGC 1593
Qy 1724 TGGGTTTTTTTTTGTGTTGTTGTTTTCAGTTTTCAGTTTTCAGAGTAGATTCAGTCCCT 1783
Db 1594 TGG-----TTTTTTCAGTTTTCAGGAGTGGGTTGATTTTCAGCACCT 1633
Qy 1784 ACAATGTACAGTCTTGTATTTACATTCGTAATAAAAGTCAATATAAACTTAAAAAATAA 1843
Db 1634 AC-AGTGTACAGTCTTGTATTTAAGTTGTTTAATAAAGTACATGTTAAACTTAAAAAATAA 1692
Qy 1844 AAAAAAAAAAAAAAAAAAAAAA 1865
Db 1693 AAAAAAAAAAAAAAAAAAAAAA 1714

RESULT 5
US-10-775-920-373
; Sequence 373, Application US/10775920
; Publication No. US20040175744A1
; GENERAL INFORMATION:
; APPLICANT: Mergen Ltd
; TITLE OF INVENTION: POLYNUCLEOTIDE SEQUENCES AND CORRESPONDING ENCODED POLYPEPTIDES
; TITLE OF INVENTION: OF PARTICULAR SECRETED AND MEMBRANE-BOUND PROTEINS OVEREXPRESSED
; FILE REFERENCE: Mergen - 0010B
; CURRENT APPLICATION NUMBER: US/10/775,920
; CURRENT FILING DATE: 2004-02-10
; PRIOR APPLICATION NUMBER: US 60/447,900
; PRIOR FILING DATE: 2003-02-13
; NUMBER OF SEQ ID NOS: 385
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 373
; LENGTH: 1699
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-775-920-373

Query Match 51.4%; Score 964.2; DB 8; Length 1699;
Best Local Similarity 75.7%; Pred. No. 7.1e-209;
Matches 1385; Conservative 0; Mismatches 208; Indels 136; Gaps 10;

Qy 37 CGCCCGGCGCAGGTGCAGGTAGCAGTGACCCCTCTGAGGCGTTTGGTGTCTCGGTAAACCAACC 96
Db 7 CGTCCGCGACGCGTGGCGGACGCGTGGGCGCGAGGCGCTGAGTGTCTCCAGTAGCCACC 66
Qy 97 ACGGCTGTAGAGCAGGTGTTGCCATGAAACCGATCAGTGTGAGTATATACATTTCTGATA 156
Db 67 GCATCTGGAGAACCAAGCGGTTTACCATGGA-----GGGGATCAGTATATACATTTTCAGATA 121
Qy 157 ACTACTCTGAGAGAGTGGGCTGTGAGCATATGACTCCACAGGAACCTGCTTCGGG 216
Db 122 ACTACCGAGGAAATGGGCTCAGGGACATATGACTCCATGAAGGAACCTGTTTCCGTG 181
Qy 217 ATGAAAACGTCATTTCAATAGGATCTTCTGCCACCATCTACTTCATCATCTTTCTGA 276
Db 182 AAGAAATGCTAATTTCAATAAATCTTCTGCCACCATCTACTCCATCATCTTCTTAA 241
Qy 277 CTGGCATAGTCGGCAATGGATTGTTGATCTCTGTCATGGGTTACAGAGAAGCTAAGGA 336
Db 242 CTGGCATTTGGGCAATGGATTGTTGATCTCTGGTTCATGGTTCATGGGTTACAGAGAAGCTGAGAA 301
Qy 337 GCATGACGACACAGTACCGGCTGCACCTGTGCTGAGTCCCTCTTGTGTCATCACAC 396
Db 302 GCATGACGACACAGTACAGGCTGCACCTGTGCTGAGTCCCTCTTGTGTCATCACGC 361
Qy 397 TCCCTTCTGGGCAAGTTGATGCCATGGCTGACTGCTACTTTGGGAAATTTTGTGTAAGG 456
Db 362 TTCCCTTCTGGGCAAGTTGATGCCGTGCGAAGTGGTACTTTGGGAACTTCTATGCAAGG 421
Qy 457 CTGTPCCATATCATCTACACTGTCAACCTCTACAGCAGCGGTTCTCATCTCGCCCTTCATCA 516


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Qy 1597 CCATCTTAATGTTTGGTTATGCTGTGTGATGGTTTGTGTTGGTTTTTTTTTGTGTT 1656
Db 1489 -----TTCCCGTGGAAACGTTTTTCTCTGTT 1512
Qy 1657 GTTGTGTTTTTTTTTCTGTAAAGATGACCTTAAACCAAGACCTGAAATGGTGA 1716
Db 1513 CTTAAGACGTGATTTTCTGTAGAAGATGGACCTTAAACCAAGCCCAAAGTGGT-ATA 1571
Qy 1717 GAAATGCTGGGGTTTTTTTTTGTGTTTGTGTTTTTTCAGTTTTTCAAGAGTAGATTGACTTC 1776
Db 1572 GAAATGCTGG-----TTTTTTCAGTTTTCAGGAGTGGTTGATTTC 1611
Qy 1777 AGTCCCTACAAATGACAGCTTGTATTACATTTGTTTAAATAAAGTCAATGATAACTTAA 1836
Db 1612 AGCACCTAC-AGTGTACAGTCTTGTATTAAAGTTGTTTAAATAAAGTACATGTTAAACTTAA 1670
Qy 1837 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1865
Db 1671 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1699

RESULT 6
US-10-706-265-11
; Sequence 11, Application US/10706265
; Publication No. US20040132642A1
; GENERAL INFORMATION:
; APPLICANT: Hwang, Sam
; TITLE OF INVENTION: METHODS OF INHIBITING METASTASIS OR GROWTH OF A TUMOR CELL
; FILE REFERENCE: 224738
; CURRENT APPLICATION NUMBER: US/10706,265
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/425,472
; PRIOR FILING DATE: 2002-11-12
; PRIOR APPLICATION NUMBER: 60/511,581
; PRIOR FILING DATE: 2003-10-15
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 11
; LENGTH: 1662
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-706-265-11

Query Match 51.2%; Score 960.4; DB 7; Length 1662;
Best Local Similarity 76.3%; Pred. No. 5.1e-208;
Matches 1371; Conservative 0; Mismatches 291; Indels 136; Gaps 10;

Qy 68 CTGAGGCGTTTGGTGCTCCGGTAAACCAACCGCTGTAGAGCGAGTGTGCCATGGAAAC 127
Db 1 CCGAGGGCGCTGAGTGTCTCCAGTAGCCACCGCATCTGGAGAAACAGCGGTTTACCATGGA-- 58
Qy 128 GATCAGTGTGAGTATATACACTTCTGATTACTCTCTGTAAGAGTGGGGTCTGGAGACTA 187
Db 59 ---GGGGATCAGTATATACACTTTCAGATACTACACCGAGGAATGGGCTCAGGGGACTA 115
Qy 188 TGACTCCAAAGAAACCTCTCTCCGGATGAAACGTCATTTCAATAGGATCTTTCCT 247
Db 116 TGACTCCATGAGAAACCTCTCTCCGTGAGAAATGCTAATTTCAATAAATCTTCT 175
Qy 248 GCCCACCATCTACTTCAATCACTCTTTGATGCTGGCATAGTCGGCAATGGATGTGATCCT 307
Db 176 GCCCACCATCTACTCCATCATCTCTTAACTGGCAATGTGGCAATGGATGTGATCCT 235
Qy 308 GGTCAATGGTTTACGAGAGAGCTTAAGGACATGACCGACAAGTACCGGCTGCACCTGTC 367
Db 236 GGTCAATGGTTTACGAGAGAACTGAGAAAGCATGACGGAACAAGTACAGGCTGCACCTGTC 295
Qy 368 AGTGGCTGACTCTCTCTTTGTATCACTACACTCCCTCTCTGGCGAGTTGATGCCATGGCTGA 427
Db 296 AGTGGCGCACTCTCTCTTTGTATCAGCTTCCCTCTCTGGCGAGTTGATGCCGCTGGCAA 355
Qy 428 CTGGTACTTTGGGAAATTTTTGTGTAAGGCTGTCCATATCATCTACACTGTCAACCTCTA 487
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Db 356 CTGGTACTTTTGGAACTTCTATGCAAGGCAGTCCATGTCTATACACAGTCAACCTCTA 415
Qy 488 CAGCAGCGTTTCTCATCTGCGCTTTCATCAGCCTGGACCGGTACTCGCCATGTGTCCACGC 547
Db 416 CAGCAGTGTCTCATCTGCGCTTTCATCAGTCTGGACCGCTACTGGCCATCGTCCACGC 475
Qy 548 CACCAACAGTCAAAAGCCAAAGGAAACTGTGGCTGAAAGGCAAGTCTATGTGGGCGTCTG 607
Db 476 CACCAACAGTCAAGAGCCAAAGGAACTGTGGCTGAAAGGCTGTATGTGGGCGTCTG 535
Qy 608 GATCCAGCGCTCCTCTGACTATACCTGACTTTCATCTTTGCGCGAGCTCAGCCAGGGGGA 667
Db 536 GATCCCTGCGCTCCTGCTGACTATTCGCGACTTTCATCTTTGCGCAACG----- 582
Qy 668 CATCAGTCAGGGGATGACAGGTACATCTGTGACCGCTTTTACCCCGATAGCCCTGTGGAT 727
Db 583 --TCAGTGGGACAGATGACAGATATATCTGTGACCGCTTCTACCCCAATGACTTGTGGGT 640
Qy 728 GGTGGTGTTCATATCCAGCATATAATGTGGGTCTCATCTGCGCGGCAATCGTCATCCT 787
Db 641 GGTGTGTTCAGTTTCAGCACATCATGTGTGGCTTATCTGCTGCTGATTTGTTCATCCT 700
Qy 788 CTCTGTACTGATCATCATCTTAAGCTGTACACTCCAGGGCCACAGAGCGCAA 847
Db 701 GTCTGTCTATTGCAATTATCATCTCCAAAGCTGTACACTCCAGGGCCACAGAGCGCAA 760
Qy 848 GGCCTCTCAAGACACAGTCACTCTCATCTAGTCTTCTTTGCTGTGCTGCTGCATATTA 907
Db 761 GGCCTCTCAAGACACAGTCACTCTCATCTGCTGCTTCTTCTGCTGCTGCTGCTACTA 820
Qy 908 TGTGGGATCAGCATCAGTCTCTTCATCTCTTTGGGAGTCAATCAAGCAAGGATGTGACTT 967
Db 821 CATTTGGGATCAGCATCAGTCTCTTCATCTCTCTGGAATCATCAAGCAAGGATGTGAGTT 880
Qy 968 CGAGAGATTTGTGCACAAGTGGATCTCCATCAGAGGGCTCGCTTCTTCCACTGTG 1027
Db 881 TGAGAACACTGTGTGCAAGTGGATTTCCATCAGGAGGCGCTAGCTTTCTTCCACTGTG 940
Qy 1028 CTTGAACCCCATCTCTATGCTCTCTCGGGGCAAGTTCMAAAGCTCTGCCAGCATGC 1087
Db 941 TCTGAACCCCATCTCTATGCTTCTCTGGAGCCAAATTTAANAACCTCTGCCAGCAGC 1000
Qy 1088 ACTCAATCCATGAGCAGAGGCTCCAGCTCAAGATCTCTTCCAAAGGAAAGCGGGTGG 1147
Db 1001 ACTCACTCTGTGAGCAGAGGCTCCAGCTCAAGATCTCTCTCAAGGAAAGCGAGTGG 1060
Qy 1148 AACTCTTCCGTCTCCAGGAGTCAAGATCTCTCAGTCTTCTCACTCCAGCTAAACCTTATG 1207
Db 1061 AACTCTCTGTCTTCCACTGAGTCTGAGTCTTCAAGTCTTCTCACTCCAGCTAA----- 1112
Qy 1208 CAAAGACTTATATAATATATATATATATATAAAGAACTTTTTTATGTATACATTTT 1267
Db 1113 CACAGATGTAAGACATTTTTTTTATACGATAAATACTTTTTTTTAAAGTTACATTTT 1172
Qy 1268 CCAGATATAAGAGACTGACAGCTTTGTACAGTTTTTTTTTTTTTTTAAATGTAGTGG 1327
Db 1173 TCAGATATAAAGACTGACCAATATTGTACAGTTTTTATGCTTGTGGATTTTGT--- 1229
Qy 1328 GAGTTTATGTTCTCTAGTTTTTGTGAGTTTGAATTTTATATAAATAATTTGTTTTT 1387
Db 1230 ---CTTGTGTTCTTTAGTTTTTGTGAAGTTTAAATGACTTATTTATA-----TAAATTTT 1282
Qy 1388 GTTGTGTTCAATGTAATGAGCGTCTAGGAGGAGCTGTGGCAAGTCTTTAGTAGCTGTT 1447
Db 1283 TTTTGTTCATATGATGTGTGTCTAGGCAAGGAGCTGTGGCAAGTCTTTAGTTGCTGTA 1342
Qy 1448 TATCTGTGTGTAGGACTGTAGAACTGTAGAGGAGAAACATGAAACATTTCCAGAAATGTGG 1507
Db 1343 TGTCTCGTGTAGACTGTAGAA-----AAGGGAACCTGAAACATTTCCAGAGCGGTAG 1394
Qy 1508 TAAATGTAATAAGCTAGCGGTGATCTCTAGCTGTGTGCTGCAATAATCTCTTCAATTCGAG 1567
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Db	1354	GTGCCAAGTCTTAGTTGCTGTATGTCTCGTGGTAGGACTGTAGAA-----AAGG	1405
Qy	1484	AAGTGAACATCCAGAAATGTGGTAAATGAATAAAGCTAGCGGTGATCCTCAGCTGTT	1543
Db	1406	AAGTGAACATCCAGAGCGTGTAGTGAATCAGCTAAAGCTAGAAATGATCCCCAGCTGT	1465
Qy	1544	GCTGCATA	1551
Db	1466	TATGCATA	1473
RESULT 8			
US-10-225-567A-75			
; Sequence 75, Application US/10225567A			
; Publication No. US20030113798A1			
; GENERAL INFORMATION:			
; APPLICANT: LifeSpan Biosciences			
; APPLICANT: Brown, Joseph P.			
; APPLICANT: Burner, Glenna C.			
; APPLICANT: Roush, Christine L.			
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS			
; FILE REFERENCE: 1920-4-4			
; CURRENT FILING DATE: 2001-12-19			
; PRIOR APPLICATION NUMBER: 60/257,144			
; PRIOR FILING DATE: 2000-12-19			
; NUMBER OF SEQ ID NOS: 2292			
; SOFTWARE: PatentIn version 3.1			
; SEQ ID NO 75			
; LENGTH: 1679			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
US-10-225-567A-75			
Query Match 50.8%; Score 952.8; DB 5; Length 1679;			
Best Local Similarity 80.2%; Pred. No. 2.8e-206;			
Matches 1210; Conservative 0; Mismatches 252; Indels 46; Gaps 6;			
Qy	44	GCAGGTGCAGGTAGCAGTACCTCTGAGCGGTTGGTGTCCGGTAAACACACCGCTG	103
Db	12	CGCGCAGCAGGTAGCAAGTGAACCGCGGCGCTGAGTCTCCAGTAGCCACCGCATCTG	71
Qy	104	TAGAGCGAGTGGCCATGGAACGGATCAGTGTAGTATATACATCTCTGATAACTACTC	163
Db	72	GAGAACCGAGCGGTACCATGGA-----GGGGATCAGTATATACATCTCAGATAACTAC	126
Qy	164	TGAAGAAGTGGGTCTCGAGCATATGACTCCAAAGGAACCCCTGCTCCGGGATGAATA	223
Db	127	CGAGGAATGGGTCTAGGGGACTATGACTCCATGAAGGAACCCCTGTTCCGTGAAGAAA	186
Qy	224	CGTCCATTTCAATAGGATCTTCTGCCCCACCATCTACTTCATCATCTTCTTGACTGGCAT	283
Db	187	TGCTAATTTCAATAAATCTTCTGCCCCACCATCTACTTCATCATCTTCTTAATGGCAT	246
Qy	284	AGTCGGAATGGATTTGGTGTATCTGTGTCATGGTTACCAAGAGAGCTAAGAGCATGAC	343
Db	247	TGTGGGCAATGGATTTGGTGTATCTGTGTCATGGTTACCAAGAGAGCTAAGAGCATGAC	306
Qy	344	GGACAAGTACCGGCTGCACCTGTGAGTGGCTGACCTCTTGTGTATCATCACATCCCTTT	403
Db	307	GGACAAGTACCGGCTGCACCTGTGAGTGGGCGACCTCTCTTGTGTATCATCACCTTCCCTT	366
Qy	404	CTGGGCAAGTTGATGCCATGGCTGACTGGTACTTTGGGAAATTTTGTGAAGGCTGTCCA	463
Db	367	CTGGGCAAGTTGATGCCATGGCTGACTGGTACTTTGGGAAATTTTGTGAAGGCTGTCCA	426
Qy	464	TATCATCTACACTGTCAACCTCTACAGCAGGTTCTCATCTCGGCTTTCATCGCTGGA	523
Db	427	TGTCACTACACAGTCAACCTCTACAGCAGTGTCTCATCTCGGCTTTCATCATCTGGA	486
Qy	524	CCGGTACCTCGCATTTGTCCACGCCACCAACAGTCAAGGCCAAGGAACTGCTGGCTGA	583
Db	487	CCGCTACCTGGCCATGCTCCACGCCACCAACAGTCAAGGCCAAGGAACTGTTTGGCTGA	546

Qy	584	AAAGGCAGTCTATGTGGGCGTCTGGATCCAGGCCCTCTCTGACTATATACCTGACTTTCAT	643
Db	547	AAAGGTGGTCTATGTGGGCGTCTGGATCCAGGCCCTCTCTGACTATATACCTGACTTTCAT	606
Qy	644	CTTTGGCCGAGTCAAGCCAGGGGACATCAGTCAGAGGGATGACAGGTACATCTGTGACCG	703
Db	607	CTTTGGCCAGG-----TCAGTGAAGGAGATGACAGATATATCTGTGACCG	651
Qy	704	CTTTTACCCCGATAGCTGTGGATGGTGGTTCATATCCAGCATATATATGGTGGGTCT	763
Db	652	CTTTTACCCCAATGACTTGTGGGTGGTGGTTCAGTTCAGCATATATATGGTGGGTCT	711
Qy	764	CATCTTGGCCGCGCATCGTATCTCTCTGTGTACTGTGATCATCATCTCTAAGCTGTGACA	823
Db	712	TATCTTGGCTGTATTTGTCTATCTCTGTCTGTATTTGATTTATCTCTCAAGCTGTGACA	771
Qy	824	CTCCAAAGGCCACCAAGCGCAAGGCCCTCAAGACGACAGTCTCTCATCTCTAGCTTT	883
Db	772	CTCCAAAGGCCACCAAGCGCAAGGCCCTCAAGACGACAGTCTCTCATCTCTAGCTTT	831
Qy	884	CTTTGGCTGTGGCTGCCATATTTATGTGGGGATCAGCATCGACTCTCTCATCTCTTTGGG	943
Db	832	CTTTGGCTGTGGCTGCCATTTACTACATTTGGGATCAGCATCGACTCTCTCATCTCTTGA	891
Qy	944	AGTCATCAAGCAAGGATGTGACTTTCAGAGCATTTGTGCAAGTGGATCTCTCATCAAGA	1003
Db	892	AATCATCAAGCAAGGATGTGAGTTTCAGAAACACTGTGCAAGTGGATTTCCATCAACGA	951
Qy	1004	GGCCCTCGCTCTTCTCCAGTGTGTGCTGAACCCCTCTCTATGCTCTCTCTCGGGGCCAA	1063
Db	952	GGCCCTAGCTTCTTCTCCAGTGTGTGCTGAACCCCTCTCTATGCTCTCTCTCGGGGCCAA	1011
Qy	1064	GTTTCAAAAGCTCTGCCAGCATGCACTCAATCTCAGCAGAGGCTCCAGCCTCAAGAT	1123
Db	1012	ATTATAAAGCTCTGCCAGCATGCACTCAATCTCAGCAGAGGCTCCAGCCTCAAGAT	1071
Qy	1124	CTTTTCAAGGAAGCGGGGTGGACACTCTTCCGTCTCCAGAGTCTGAGATCTCTCCAG	1183
Db	1072	CTTCTCAAGGAAGCGAGGTGGACATTCATCTGTCTCCACTGAGTCTGAGTCTTCAAG	1131
Qy	1184	TTTTTCACTCCAGTAAACCTTATGCAAGCACTTATATATATATATATATATATATATAA	1243
Db	1132	TTTTTCACTCCAGTAAACAGAGATGTAAGAGACTTTTTT-----TTTATACGATAATA	1183
Qy	1244	GAACTTTTATGTATACATTTTCCAGATATAAGAGACTGACAGCTCTTGTACAGTTTT	1303
Db	1184	ACTTTTATTTTAAAGTACATTTTTCAGATATAAGAGACTGACCAATATTTGTACAGTTT	1243
Qy	1304	TTTTTTTTTTTAAATGACTGTGGGAGTTTATGTTCTCTAGTTTGTGAGGTTTGAAT	1363
Db	1244	TATTGCTTGTGGATTTTGT-----CTTGTGTTTCTTTTGTGTTTGTGAGTTTAAAT	1297
Qy	1364	TAATTTATATAAATATGTTTTTTTGTGTTTCTGATGATGAGCCTCTAGGCGAGACCT	1423
Db	1298	GACTTATTTATA-----TAAATTTTTTTTGTGTTTCTGATGATGATGATGATGATGATG	1353
Qy	1424	GTGGCCAAAGTCTTCTAGTGTAGTGTATCTGTGTGTAGGAGCTGTAGAACTGTAGAGGA	1483
Db	1354	GTGGCCAAAGTCTTCTAGTGTAGTGTATCTGTGTGTAGGAGCTGTAGAACTGTAGAGGA	1405
Qy	1484	AACGTGAACATTTCCAGAAATGTGGTAAATTTGAATAAAGCTAGCCGTGATCTCTCAGCTGT	1543
Db	1406	AACGTGAACATTTCCAGAGCGTGTAGTGAATCAACGTAAAGCTAGAAATGATCCCCAGCTGT	1465
Qy	1544	GCTGCATA	1551
Db	1466	TATGCATA	1473

Publication No. US20030152926A1
GENERAL INFORMATION:
APPLICANT: Murray, Richard
APPLICANT: Glynn, Richard
APPLICANT: Watson, Susan R.
APPLICANT: EOS Biotechnology, Inc.
TITLE OF INVENTION: Compositions and Methods of Screening for Angiogenesis
TITLE OF INVENTION: Modulators
FILE REFERENCE: 018501-000710US
CURRENT APPLICATION NUMBER: US/10/021,660
CURRENT FILING DATE: 2001-12-06
PRIOR APPLICATION NUMBER: US/09/784,356
PRIOR FILING DATE: 2001-02-14
PRIOR APPLICATION NUMBER: US 09/637,977
PRIOR FILING DATE: 2000-08-11
NUMBER OF SEQ ID NOS: 135
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 58
LENGTH: 1679
TYPE: DNA
ORGANISM: Homo sapiens
US-10-021-660-58

Query Match 50.8%; Score 952.8; DB 6; Length 1679;
Best Local Similarity 80.2%; Pred. No. 2.8e-206;
Matches 1210; Conservative 0; Mismatches 252; Indels 46; Gaps 6;

QY 44 GCAGGTGCAGGTAGCAGTACCTCTGAGCGCTTGGTGTCCGGTAACACCAACCGCTG 103
DB 12 GCGGACGAGGTAGCAAGTGAAGCGCGAGGCGCTGAGTGTCCAGTAGCCACCGCATCTG 71
QY 104 TAGAGCAGGTGGCCATGGACCGATCAGTGTGAGTATATACATCTCTGATTAACCTAC 163
DB 72 GAGAACGAGCGGTACCATGGA-----GGGGATCAGTATATATACATCTCAGATAACTAC 126
QY 164 TGAAGAAGTGGGCTCTGGAGCTATGACTCCCAAGGAACCTGCTTCGGGATGAATA 223
DB 127 CGAGGAATGGGCTCAGGGACATATGACTCCATGAGGAACCTGTTCCGTGAGGAAA 186
QY 224 CGTCCATTTCAATPAGGATCTCTGCGCCACCATCTACTTCATCATCTTCTTGACTGGCAT 283
DB 187 TGTAAATTTCAATAAAATCTCTGCGCCACCATCTACTCCATCATCTCTTAACTGGCAT 246
QY 284 AGTCGCAATGGATGGTGTATCTGCTCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 343
DB 247 TGTGGCAATGGATGGTGTATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 306
QY 344 GGACAAAGTACCGGCTGCACCTGTGAGTGGCTGACCTCTCTTGTCTATCACTCCGCTT 403
DB 307 GGACAAAGTACCGGCTGCACCTGTGAGTGGCTGACCTCTCTTGTCTATCACTCCGCTT 366
QY 404 CTGGGCAATGGATGGTGTATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 463
DB 367 CTGGGCAATGGATGGTGTATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 426
QY 464 TATCATCTACACTGTCACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 523
DB 427 TGTCAATCTACACAGTCAACCTCTACAGCAGTGTCTCTCTCTCTCTCTCTCTCTCTCTCT 486
QY 524 CCGGTACCTCGCATTTGTCTCAGCGCCACCAAGTCAAGGCGCCAGGAACCTGCTGGCTGA 583
DB 487 CCGCTACCTGGCCATCTGTCTCAGCGCCACCAAGTCAAGGCGCCAGGAACCTGCTGGCTGA 546
QY 584 AAAGGCAATCTATGTGGGCTGTGGATGCCAGCCCTCTCTCTCTCTCTCTCTCTCTCTCTCT 643
DB 547 AAAGGCGTCTATGTGGGCTGTGGATGCCAGCCCTCTCTCTCTCTCTCTCTCTCTCTCTCT 606
QY 644 CTTTGGCAGCTCAGCCAGGGGACATCACTCAGGGGGATGACAGGTACATCTGTGACCG 703
DB 607 CTTTGGCAACG-----TCAGTGGGCGAGATGACAGATATATCTGTGACCG 651
QY 704 CCTTTACCCCGATAGCTGTGGATGGTGGTGTCTTCAATTCAGCATATATGTGGGTCT 763

RESULT 10
US-10-170-385-332
Sequence 332, Application US/10170385
Publication No. US20030203372A1
GENERAL INFORMATION:
APPLICANT: Ward, Neil Raymond
APPLICANT: Mundy, Christopher Robert
APPLICANT: Kan, On
APPLICANT: Harris, Robert Alan
APPLICANT: White, Jonathan
APPLICANT: Binley, Katie Mary
APPLICANT: Rayner, William Nigel
APPLICANT: Naylor, Stuart

DB 652 CTTCTACCCCAATGACTTGTGGTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGT 711
QY 764 CATCTGCGCGGAGTGTCTCATCA 823
DB 712 TATCTGCGCTGTGTTGTCA 771
QY 824 CTTCAAGGCGCCACCAAGCGCCCTCAAGAGCAGTCTCAAGAGCAGTCTCAATCTCTCTCTCT 883
DB 772 CTTCAAGGCGCCACCAAGCGCCCTCAAGAGCAGTCTCAAGAGCAGTCTCAATCTCTCTCTCT 831
QY 884 CTTTGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 943
DB 832 CTTTGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 891
QY 944 AGTCATCAAGCAAGATGTGACTTCCAGAGCATTGTGCAAGCATTGTGCAAGCATTGTGCAAG 1003
DB 892 AATCATCAAGCAAGGCTGTGAGTGTGAGAACACTGTGCAAGAGTGGATTTCCATCAACCGA 951
QY 1004 GCGCTCGCTTCTTCCACTGTTGCTGAACCCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1063
DB 952 GCGCTGAGTCTTCTTCCACTGTTGCTGAACCCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1011
QY 1064 GTTCAAAAGCTCTGCGCAGCATGCACTCAACTCCATGAGCAGAGGCTCCAGCTCTCAAGAT 1123
DB 1012 ATTAAAGCTCTGCGCCAGCAGCACTCACTCTGTGAGCAGAGGCTCCAGCTCTCAAGAT 1071
QY 1124 CTTTCAAGAGGAGCGGGTGGACACTCTTCCGCTCTCCAGGAGTCAAGATCTCTCTCTCT 1183
DB 1072 CTTCTCAAGAGGAGCGGGTGGACACTCTTCCGCTCTCCAGGAGTCAAGATCTCTCTCTCT 1131
QY 1184 TTTTCACTCCAGTAACTTATGCAAGACTTATATATATATATATATATATATATATATATAA 1243
DB 1132 TTTTCACTCCAGTAACTTATGCAAGACTTATATATATATATATATATATATATATATAA 1183
QY 1244 GAACCTTTTATGTTACACATTTTCCAGATATAAGAGACTGACCACTCTGTGTACAGTTTT 1303
DB 1184 ACTTTTATGTTTACACATTTTCCAGATATAAGAGACTGACCACTCTGTGTACAGTTTT 1243
QY 1304 TTTTATGTTTATGAGTGTGGGAGTTTATGTTTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1363
DB 1244 TATGCTGTGAGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGT 1297
QY 1364 TAATTTATATAATATGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTT 1423
DB 1298 GACTTATATA-----TAAATTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTT 1353
QY 1424 GTGGCAAGTCTTGTAGTGTCTTGTATCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1483
DB 1354 GTGGCAAGTCTTGTAGTGTCTTGTATGTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1405
QY 1484 AACTGAACATTCAGNAATGTGGTAAATTTGAATTAAGTGTGGTGTGGTGTGGTGTGGTGT 1543
DB 1406 AACTGAACATTCAGNAATGTGGTAAATTTGAATTAAGTGTGGTGTGGTGTGGTGTGGTGT 1465
QY 1544 GCTGCATA 1551
DB 1466 TATGCATA 1473

; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (89)..(1144)
; OTHER INFORMATION:
US-10-341-434-177

Query Match
Best Local Similarity 50.8%; Score 952.8; DB 6; Length 1679;
Matches 1210; Conservative 0; Mismatches 252; Indels 46; Gaps 6;

QY 44 GCAGGTGCAAGTAGCAGTACGACCTCTGAGGCGTTGGTGTCTCCGGTAAACCAACCAACGCGCTG 103
DB 12 GCGGACAGCAGTAGCAAGTAGACGCGGAGGCGCTGAGTGTCTCAGTAGCAACCGCATCTG 71
QY 104 TAGAGCGAGTGTGGCCATGGAACCGATCAGTGTGAGTATATACATCTCTGATAACTACTC 163
DB 72 GAGAACGAGCGGTACCATGGA-----GGGATCAGTATATACATCTCAGATAACTATCAC 126
QY 164 TGAGAGAGTGGGTCTGGAGACTATGACTCCACAGGACCGCTCTCCGGATGAAA 223
DB 127 CGAGGAAATGGGCTCAGGGGACTATGACTCCATGAAGGAACCCCTGTTCCGTGAAGAAA 186
QY 224 CGTCCATTTCAATAGGATCTTCTGCGCCACCATCTACTTCATCATCTTCTTGACTGECAT 283
DB 187 TGCATAATTCATATAAATCTTCTGCGCCACCATCTACTCCATCATCTTCTTAATCGCAT 246
QY 284 AGTCGCAATGGATGTGGTGAATCTGTGATCGATGGGTACCAAGAAAGCTAAGAGCATGAC 343
DB 247 TGTGGCAATGGATGTGGTGAATCTGTGATCGATGGGTACCAAGAAAGCTAAGAGCATGAC 306
QY 344 GAGACAGTACCGGCTGACCTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGT 403
DB 307 GGAACAGTACAGGCTGACCTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGT 366
QY 404 CTGGGAGTGTGATGCGATGCTGACTGGTACTTGTGGGAAATTTTGTAAAGCTGTCCA 463
DB 367 CTGGGAGTGTGATGCGGTCGCAACTGTGACTTGTGGGAAATTTTGTAAAGCTGTCCA 426
QY 464 TATCATCTACATGTGCAACTGTGATGCTGATGCTGATGCTGATGCTGATGCTGATGCTGATG 523
DB 427 TGTCACTACACAGTCAAACTGTGATGCTGATGCTGATGCTGATGCTGATGCTGATGCTGATG 486
QY 524 CCGGTACCTGCGCATGTGTCACGCGCACACAGTCAAGAGCCCAAGAACTGTGCGCTGA 583
DB 487 CGCTACCTGCGCATGTGTCACGCGCACACAGTCAAGAGCCCAAGAACTGTGCGCTGA 546
QY 584 AAAGGAGTGTCTATGTGGGCTGTGGATCCAGCGCTCTCTGACTATATACCTGACTTTCAT 643
DB 547 AAAGTGTGTCTATGTGGGCTGTGGATCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 606
QY 644 CTTTGGCGAGCTCAGCGACGCGGAGCATCAGTCAAGGGGATGACAGGTACATCTGTGACCG 703
DB 607 CTTTGGCAACG-----TCAGTGAGGAGATGACAGATATATCTGTGACCG 651
QY 704 CTTTACCCGATAGCTGTGGATGTGGTGTGTTTCAATTCACGATATATGTGGTCT 763
DB 652 CTTCTACCCCAATGACTGTGGGTTGTGTTTCCAGTTTCAGACATCATGTGTGGCT 711
QY 764 CATCTCTCCCGGATCGTCACTCTCTCTGTTACTGCTATCATCATCTCTTAAGCTGTCA 823
DB 712 TATCTCTCCGCTGTTGTGTCATCTCTCTGCTATTCATTCATCTCCAGCTGTCA 771
QY 824 CTCGAAGGGCCACAGAGCGGAGGCGCTCAAGAGCAGTCACTCTCTCTAGCTTT 883
DB 772 CTCGAAGGGCCACAGAGCGGAGGCGCTCAAGAGCAGTCACTCTCTCTAGCTTT 831
QY 884 CTTTGTCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 943
DB 832 CTTGCGCTGTGTGGCTGCTTACTACATTTGGGATCAGATCGATCTCTCTCTCTCTGGA 891
QY 944 AGTCATCAAGCAAGGATGTGACTTCGAGAGCATTTGTGCAAAAGTGGATCTCTCCATCAGA 1003

Query Match 50.8%; Score 952.8; DB 6; Length 1679;

DB 892 AATCATCAAGCAAGGCTGTGAGTTTGAGAAACACTGTGCACAAAGTGGATTTCCATCACCGA 951
QY 1004 GGGCTCTGCGCTTCTTCCACTGTGTGCTGAACCCCATCTCTATGCTTCTCTCGGGCCAA 1063
DB 952 GGGCTCTGAGCTTCTTCCACTGTGTGCTGAACCCCATCTCTATGCTTCTCTTGGAGCCAA 1011
QY 1064 GTTCAAAAGCTCTGCGCCAGCATCTCAATCTCCATGAGCAGAGGCTCCAGGCTCAAGAT 1123
DB 1012 ATTTAAACCTCTGCCAGCAGCATCTACCTCTGTGAGCAGAGGCTCAGGCTCAAGAT 1071
QY 1124 CTTTCCAAAGAAAGCGGGGTGAGCACTCTTCCGTCTCCACGGAGTCAAGATCTCCAG 1183
DB 1072 CTTCTCCAAAGAAAGCGAGGTGGACATCTCTGTTTCCACTGAGTCTGAGTCTTCAAG 1131
QY 1184 TTTTCACTCCAGCTAACCTTATGCAAGACTTATATATATATATATATATATATATATATA 1243
DB 1132 TTTTCACTCCAGCTAACACAGATGTAAAGAGCTTTT-----TTTATACGATAAATA 1183
QY 1244 GAACTTTTTTATGTTACACATTTTCCAGATATAAGAGACTGACCACTCTGTACAGTTTT 1303
DB 1184 ACTTTTTTTTAAAGTATACATTTTTTTCAGATATAAGAGCTGACCAATATTTGACGTTT 1243
QY 1304 TTTTTTTTTTAAATGACTGTGGGAGTTTATGTTCTCTAGTCTTGTGAGGTTTGA 1363
DB 1244 TATGCTTGTGGATTTTGT-----CTTGTGTTTCTTTAGTTTTTGTGAAGTTAAAT 1297
QY 1364 TAATTTATATAAATATTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTT 1423
DB 1298 GACTTATTTATA-----TAAATTTTTTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTT 1353
QY 1424 GTGGCCAAAGTCTTAGTAGTCTGTTTATCTGCTGTAGGACTGTAGAACTGTAGAGGAAGA 1483
DB 1354 GTGGCCAAAGTCTTAGTAGTCTGTTTATCTGCTGTAGGACTGTAGAACTGTAGAGGAAGA 1405
QY 1484 AACTGAACATTCAGAAATGTGGTAAATTTGAATTTGAATTTGAATTTGAATTTGAATTT 1543
DB 1406 AACTGAACATTCAGAGCGTGTAGTGAATCAGTAAAGCTAGAAATGATCCCGAGCTGTT 1465
QY 1544 GCTGCATA 1551
DB 1466 TATGCATA 1473

RESULT 12
US-10-172-118-912
; Sequence 912, Application US/10172118
; Publication No. US20030224374A1
; GENERAL INFORMATION:
; APPLICANT: Dai, Hongyue
; APPLICANT: He, Yudong
; APPLICANT: Linsley, Peter
; APPLICANT: Mao, Mao
; APPLICANT: Van 't Veer, Laura
; APPLICANT: Van de Vijver, Marc
; APPLICANT: Bernards, Rene
; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
; FILE REFERENCE: 9301-175-999
; CURRENT APPLICATION NUMBER: US/10/172,118
; PRIOR FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 60/380,770
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 2699
; SEQ ID NO 912
; LENGTH: 1679
; TYPE: DNA
; ORGANISM: Homo sapiens
; PUBLIC INFORMATION:
; DATABASE ACCESSION NUMBER: NM 003467
; DATABASE ENTRY DATE: 2001-06-18
US-10-172-118-912

Best Local Similarity 80.2%; Pred. No. 2.8e-206; Matches 1210; Conservative 0; Mismatches 252; Indels 46; Gaps 6;				
Qy	44	GCAGGTGCAGGTAGCAGTGCACCTCTCAGGCGTTTGGTGTCCCGTAACACCAACGCGCTG	103	
Db	12	CGCGCAGCGGTAGCAAAAGTGACGCCGAGGCGCTAGTGTCTCCAGTAGCCACCGCATCTG	71	
Qy	104	TAGAGCAGGTGTTGCCATGGAAACCGATCAGTGTGAGTATATACACTTCTGTATAACTACT	163	
Db	72	GAGAACAGCGGTTTACCATGGA-----GGGGATCAGTATATACACTTTCAGATAACTAC	126	
Qy	164	TGAAGAGTGGGGTCTGGAGACTATGACTCCMACAAGGAAACCCCTTCCGGGATGAAAA	223	
Db	127	CGAGAAATGGGCTCAGGGGACTATGACTCATGAAGGAAACCCCTGTTCCGTGAAGAAAA	186	
Qy	224	CGTCCATTTCAATAGGATCTTCTGCCCCACCATCTACTTTCATCATCTTCTTGTACTGGCAT	283	
Db	187	TGCTAATTTCAATPAAATCTTCTGCCCCACCATCTACTTCATCATCTTCTTAACTGGCAT	246	
Qy	284	AGTCGGCAATGGATTTGTGTATCTCTGGTTCATGGTTTACCAGAAGAGCTAAGGAGCATGAC	343	
Db	247	TGTGGGCAATGGATTGTGTCTCTCTGGTTCATGGGTTTACAGAAGAACTGAGAAGCATGAC	306	
Qy	344	GGACAGTACCGGCTGCACCTGTCCAGTGGCTGACCTCCTCTTGTGTATCATCATCCCTT	403	
Db	307	GGACAAAGTACAGGCTGCACCTGTCTCAGTGGCGCGACCTCCTCTTGTGTATCATCGCTT	366	
Qy	404	CTGGCAGTTTGATGCCATGGCTGACTGGTACTTTTGGGAAATTTTGTGTAAAGGCTGTCCA	463	
Db	367	CTGGCAGTTTGATGCCCTGGCAAACTGGTACTTTTGGGAACTTCTTATGCAAGGCGATCCA	426	
Qy	464	TATCATCTACATGTCAACCTCTACAGCAGCGTTTCTCATCTGGCCTTTCATCAGCCTGGA	523	
Db	427	TGTTCATCTACACAGTCAACCTCTACAGCAGTGTCTCATCTGGCCTTTCATCAGTCTGGA	486	
Qy	524	CCGCTACTCGCCATTTGTCAAGCCACCAAGTCAAAAGGCCAAGGAACTGTCTGGCTGA	583	
Db	487	CCGCTACTCGCCCATCTGTCCACGCGCACCAACAGTCAAGAGGCCAAGGAACTGTGGCTGA	546	
Qy	584	AAAGGCAGTCTATGTGGGCTGTGGATCCACAGCCCTCCTCTGACTATATCCTGACTTCAT	643	
Db	547	AAAGTGGTCTATTTGGGCTGTGGATCCCTGCTGCCCTCTGCTGACTATATCCCGACTTCAT	606	
Qy	644	CTTTGCCAGCTCAGCCAGGGGGACATCAGTCAGGGGGATGACAGGTACATCTGTGACCG	703	
Db	607	CTTTGCCAACG-----TCAGTGAAGGCAGATGACAGATATATCTGTGACCG	651	
Qy	704	CTTTTACCCCGATAGCCTGTGGATGTGTGGTGTTCATTCACGACATATAATGTGGGTCT	763	
Db	652	CTTCTACCCCAATGACTTGTGGGTGGTGTGTTCAGTTTCAGGCACATCATGGTGGCCT	711	
Qy	764	CATCTGCGCGGATGTGCATCTCTCTCTTACTGCATCATCATCTTAAGCTGTACACA	823	
Db	712	TATCTGCGCTGGTATTGTGCATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT	771	
Qy	824	CTCCAAAGGGCCACAGAAGCGCAGGCCCTCAAGACGACAGTCACTCTCATCTAGCTTT	883	
Db	772	CTCCAAAGGGCCACAGAAGCGCAGGCCCTCAAGACGACAGTCACTCTCATCTGGCTTT	831	
Qy	884	CTTTGGCTGTGCTGCCATATTATGTGGGGATCAGCATCGATCTCTTCACTCTTTTGGG	943	
Db	832	CTTTCGCTGTGGCTGCTTACTACATTGGGATCAGCATCGATCTCTCTCTCTCTCTCTCTCT	891	
Qy	944	AGTTCATCAGCAGGATGTGACTTCGAGACATTTGGCAGAGTGGATCTCCATCACAGA	1003	
Db	892	AATTCATCAAGCAGGGGTGAGTTTGAGAACTGTGACAACTGGATTTTCCATCACCGA	951	
Qy	1004	GGCCCTCGCCTTCTTCCACTGTGGCTGAAACCCCATCTCTATGCTTCTCTGGGGCCAA	1063	
Db	952	GGCCCTAGCTTTCTTCCACTGTGTCTGAACCCCATCTCTATGCTTCTCTGGAGCCAA	1011	
Qy	1064	GTTTCAAAGACTCTGCCAGCATGCATCAACTCCATGAGCAGAGGCTTCCAGCCTCAAGAT	1123	

Db	1012	ATTTTAAACCTCTGCGCCAGCAGCAGCTACCTCTGTGAGCAGAGGGTCCAGCCTCAAGAT	107
Qy	1124	CCTTTCCAAAGGAAAGCGGGGTGGACACTCTTCGGCTCTCCACGGAGTCAGAAATCTCTCCAG	1183
Db	1072	CCCTCTCAAAGGAAAGCGAGGTGGACATTCATCTGTTTCCACTGAGTCTGAGTCTTCNAG	1131
Qy	1184	TTTTCACTCCAGCTAACCCCTTATGCAAAAGCTATTATATAATATATATATATATATATATAA	1243
Db	1132	TTTTCACTCCAGCTAACACAGATGTAAAGACTTTTTT-----TTTATACGATAAATA	1183
Qy	1244	GAACCTTTTTTATGTTACACATTTTTCCAGATATAAGAGACTGACCAGCTCTTGTCACAGTTTT	1303
Db	1184	ACTTTTTTTTTAAGTTACACATTTTTTCCAGATATAAAAGACTGACCAATATTTGTACAGTTTT	1243
Qy	1304	TTTTTTTTTTTTTAATTGACTCTGCGGAGTTTATGTTCTCTTAGTTTTTTGTGAGGTTTGACT	1363
Db	1244	TATGCTTGTGCAATTTTGT-----CTTGCTGTTTCTTTTAGTTTTTGTGAAGTTTAAT	1297
Qy	1364	TAATTTATATAAATATGTTTTTTTTTGTGTTTCATGTGAATGAGCGTCTTAGGCAGACCT	1423
Db	1298	GACTTATTTATA-----TAAATTTTTTTTTTGTTCATATGATGTGCTGTAGGCAGACCT	1353
Qy	1424	GTGCGCAAGTCTTAGTAGCTGTTTATCTGTGTGTAGGACTGTAGAACTGTGAGAGNAGA	1483
Db	1354	GTGCGCAAGTCTTAGTGTCTGTATGCTGTGTGTAGGACTGTAGAA-----AAGGG	1405
Qy	1484	AACTGAACATTCAGAAATGTGCGTAAATGAAATAAGACTGAGCGGTATCCTCAGCTGTT	1543
Db	1406	AACTGAACATTCAGAGCGGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	1465
Qy	1544	GCTGCATA 1551	
Db	1466	TATGCATA 1473	
RESULT 13			
US-10-211-462-80			
; Sequence 80, Application US/10211462			
; Publication No. US20040033495A1			
; GENERAL INFORMATION:			
; APPLICANT: Murray, Richard			
; APPLICANT: Glynn, Richard			
; APPLICANT: Watson, Susan R.			
; APPLICANT: Aziz, Natasha			
; APPLICANT: Eos Biotechnology, Inc.			
; TITLE OF INVENTION: Methods of Diagnosis of Angiogenesis, Compositions and			
; TITLE OF INVENTION: Methods of Screening for Angiogenesis Modulators			
; FILE REFERENCE: 018501-0062000S			
; CURRENT APPLICATION NUMBER: US/10/211,462			
; CURRENT FILING DATE: 2003-02-13			
; PRIOR APPLICATION NUMBER: US 09/784,356			
; PRIOR FILING DATE: 2001-02-14			
; PRIOR APPLICATION NUMBER: US 09/791,390			
; PRIOR FILING DATE: 2001-02-22			
; PRIOR APPLICATION NUMBER: US 60/310,025			
; PRIOR FILING DATE: 2001-08-03			
; PRIOR APPLICATION NUMBER: US 60/334,244			
; PRIOR FILING DATE: 2001-11-29			
; NUMBER OF SEQ ID NOS: 230			
; SOFTWARE: PatentIn Ver. 2.1			
; SEQ ID NO 80			
; LENGTH: 1679			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
US-10-211-462-80			
Query Match 50.8%; Score 952.8; DB 7; Length 1679;			
Best Local Similarity 80.2%; Pred. No. 2.8e-206;			
Matches 1210; Conservative 0; Mismatches 252; Indels 46; Gaps 6;			
Qy	44	GCAGGTGCAGGTAGCAGTGACCCCTCTGAGCGGCTTGGTCTCCGGTAAACCAACGCGCTG	103
Db	12	GCGGCAGCAGGTAGCAAGTAGCGCGGCGCTGAGTCTCCAGTAGCAGCGCATCTG	71

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QY 104 TAGAGCGAGTGTGGCCATGGAACCGATCAGTGTGAGTATATACACTTCTGATAACTACTC 163
DB 72 GAGAACACGCGGTACCATGGA-----GGGGATCAGTATATACACTTCAGATTAACATAC 126
QY 164 TGAAGAAGTGGGGTCTGGAGACTATGACTCCAAAGAAACCCCTGCTTCGGGATGAAA 223
DB 127 CGAGGAAATGGGCTCAGGGGACTATGACTCCATGAAAGAACCCCTGTTCCGTGAAGAAA 186
QY 224 CGTCCATTTCAATAGGATCTTCCTGGCCACCATCTACTTCATCATCTTCTTGATGGCAT 283
DB 187 TGCTAAATTTCAATAAAATCTTCCTGGCCACCATCTACTTCATCATCTTCTTAACCTGGCAT 246
QY 284 AGTCGGCAATGGATGTGTGATCTCTGGTCACTGGGTACCAGAAAGAGCTAAGAGGATGAC 343
DB 247 TGTGGGCAATGGATGTGTGATCTCTGGTCACTGGGTACCAGAAAGAGCTAAGAGGATGAC 306
QY 344 GGAACAAGTACCGGCTGCACCTGTCAAGTGGCTGACCTCTCTTTGTATCACTACACTCCCTTT 403
DB 307 GGACAAGTACAGGCTGCACCTGTCAAGTGGCGGACCTCTCTTTGTATCACTACAGCTTCCCTTT 366
QY 404 CTGGGAGTTGATGCCATGGCTGACTGGTACTTTTGGGAAATTTTGTGTAAGGCTGTCCA 463
DB 367 CTGGGAGTTGATGCCGTGGCAAACTGGTACTTTTGGGAACTTCTTATGCAAGGCACTCCA 426
QY 464 TATCATCTACACTGTCAACCTCTACAGCAGCGTTCTCATCTCGCCCTTCATCAGCCCTGGA 523
DB 427 TGTCACTCAACAGTCAACCTCTACAGCAGTGTCTCATCTGGCCCTTTCATCAGTCTGGA 486
QY 524 CCGGTACTCCGCCATTTGTCCACGCCCAACACAGTCAAGGCCCAAGGAAACTGCTGGCTGA 583
DB 487 CCCTACTTGGCCATCGTCCAACGCCCAACACAGTCAAGGCCCAAGGAACTGTTGGCTGA 546
QY 584 AAAGGCACTCTATGTGGGCTGTGATTCAGATCCAGCCCTCTCTGACTATATACCTGACTTCAT 643
DB 547 AAAGTGGTCTATGTGGGCTGTGATTCAGATCCAGCCCTCTCTGACTATATCCCGACTTCAT 606
QY 644 CTTTCCGAGCTCAGCGGGGACATCAGTCAGGGGATGACAGGTACATCTGTGACCG 703
DB 607 CTTTGGCAAG-----TCAGTGAAGGAGATGACAGATATATCTGTGACCG 651
QY 704 CTTTACCCGATAGCTGTGGATGTGGTGTTCATTTCCAGCATATATATGTGGGTCT 763
DB 652 CTTTACCCCAATGACTTGTGGGTGTGGTGTTCAGTTCAGACATCATGTGTGGCT 711
QY 764 CATCTGCCCGGATGTGATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 823
DB 712 TATCTCTGCTGTGTATGTCTATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 771
QY 824 CTCGAAGGCCACAGAGCGCAAGGCCCTCAAGACGACAGTCACTCTCATCTCTAGCTTT 883
DB 772 CTCGAAGGCCACAGAGCGCAAGGCCCTCAAGACGACAGTCACTCTCTCATCTCTCTCTCTCTCT 831
QY 884 CTTTGTGCTGTGGCTGCCATATATATGTGGGATCAGCATCGACTCTCTTCACTCTCTTTTGGG 943
DB 832 CTTTGGCTGTGGCTGCTTACTACATTTGGATCAGCATCGACTCTCTTCACTCTCTCTCTCTCTCT 891
QY 944 AGTCATCAAGCAAGATGTGACTTTCGAGAGCATTTGCAACAAGTGGATCTCATATCAGACA 1003
DB 892 AATCATCAAGCAAGGATGTGAGTTTGAGAACACTGTGCAACAAGTGGATTTTCATCAACCGA 951
QY 1004 GGCCCTTCGCTTCTTCACATGTTCCTGAAACCCCATCTCTATGCTCTCTCTCTCTCTCTCTCTCT 1063
DB 952 GGCCCTTAGCTTCTTCACATGTTCCTGAAACCCCATCTCTATGCTTCTCTCTCTCTCTCTCTCTCT 1011
QY 1064 GTTCAAAAGCTCTGCCAGATGACACTCAACTCCATGAGCAGAGGCTCCAGCCCTCAAGAT 1123
DB 1012 ATTTAAACCTCTGCCAGACGCACTCACTCTCTGTGAGCAGAGGCTCCAGCTCAAGAT 1071
QY 1124 CTTTCCAAAGGAAAGCGGGGTGGAACACTCTTCGCTCTCCAGGAGTCAAGTCTCTCCAG 1183
DB 1072 CCTCTCCAAAGGAAAGCGAGGTGGAACATTCATCTGTGTTCACCTGAGTCTGAGTCTTCAAG 1131
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QY 1184 TTTTCACTCCAGCTAACCCCTTATGCAAGACTTATATATATATATATATATATATATATATATAA 1243
DB 1132 TTTTCACTCCAGCTAACACAGATGTAAAGACTTTT-----TTTATACGATAAATA 1183
QY 1244 GAACCTTTTATGTGTACACATTTTCCAGATATAAGAGACTGACCACTCTTGTACAGTTTT 1303
DB 1184 ACTTTTTTTTAAAGTTTACACATTTTCCAGATATAAAGACTGACCAATATTTGTACAGTTTT 1243
QY 1304 TTTTTTTTTTTTAAATGACCTGTTGGGAGTTTATGTTCTCTAGTTTGTGAGGTTTTGACT 1363
DB 1244 TATGCTTGTGGATTTTGT-----CTGTGTTTCTTTAGTTTGTGAGGTTTTAAAT 1297
QY 1364 TAATTATATAAATATTTTGTTTTGTTCATGTGAATGAGCGCTAGGCAGGACCT 1423
DB 1298 GACTTATTTATA---TAAATTTTTTTTGTTCATATGATGTTGTCTAGGCAGGACCT 1353
QY 1424 GTGGCCAAAGTTCTTAGTAGCTGTTTATCTGTGTGTAGGACTGTAGAACTGTAGAGGAAGA 1483
DB 1354 GTGGCCAAAGTTCTTAGTTGCTGTATGTTCTGTGTAGGACTGTAGAA-----AAGGG 1405
QY 1484 AACTGAACATTCAGAAATCTGTGTTAAATGAATAAGCTAGCCGTGATCCTCAGCTGTT 1543
DB 1406 AACTGAACATTCAGAGCGTGTAGTGAATCAGTAAAGCTAGAAATGATCCCGCTGTT 1465
QY 1544 GCTGCATA 1551
DB 1466 TATGCATA 1473
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RESULT 14

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US-10-181-906-9
; Sequence 9, Application US/10181906
; Publication No. US20040053864A1
; GENERAL INFORMATION:
; APPLICANT: Karsenty, Gerard
; APPLICANT: Amling, Michael
; APPLICANT: Ducey, Patricia
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR CONTROL OF BONE FORMATION VIA
; TITLE OF INVENTION: MODULATION OF NEUROPEPTIDE Y ACTIVITY
; FILE REFERENCE: 9142-020-999
; CURRENT APPLICATION NUMBER: US/10/181,906
; PRIOR FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: PCT/US01/02040
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 9
; LENGTH: 1679
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-181-906-9
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Query Match 50.8%; Score 952.8; DB 7; Length 1679;
Best Local Similarity 80.2%; Pred. No. 2.8e-206;
Matches 1210; Conservative 0; Mismatches 252; Indels 46; Gaps 6;
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QY 44 GCAGGTGCGAGGTAGCAGTCACTCTCTGAGCGCTTTGCTGCTCCGGTAAACACACCGGCTG 103
DB 12 GCGGACGAGGTAGCAAAAGTGAAGCGCGAGGGCTGAGTGTCTCAGTAGGCAACCGATCTG 71
QY 104 TAGAGCGAGTGTGGCCATGGAACCGATCAGTGTGAGTATATACACTTCTGATAACTACTC 163
DB 72 GAGAACACGCGGTACCATGGA-----GGGGATCAGTATATACACTTCAGATAACTACAC 126
QY 164 TGAAGAAGTGGGGTCTGGAGACTATGACTCCAAAGAAACCCCTGCTTCGGGATGAAA 223
DB 127 CGAGGAAATGGGCTCAGGGGACTATGACTCCATGAAGGAAACCCCTGTTCCGTGAAGAAA 186
QY 224 CGTCCATTTCAATAGGATCTTCCTGGCCACCATCTACTTTCATCATCTTCTTGATGGCAT 283
DB 187 TGCTAAATTTCAATAAAATCTTCCTGGCCACCATCTACTCTCATCATCTTCTTAACCTGGCAT 246
QY 284 AGTCGGCAATGGATGTGGTGTATCTCTGTCATGGGTTCACAGAAAGAGCTAAGGAGCATGAC 343
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Result No.	Score	Query Match	Length	DB	ID	Description	
1	1169.6	62.3	1651	7	US-11-136-527-2630	Sequence 2630, Ap	
2	1074.4	57.2	1643	7	US-11-136-527-108	Sequence 108, App	
3	960.4	51.2	1662	7	US-11-028-922A-3	Sequence 3, Appli	
4	950.4	50.6	1400	7	US-11-136-527-6726	Sequence 6726, Ap	
5	932.4	49.7	8747	6	US-10-955-054A-141	Sequence 141, App	
6	905.6	48.2	1050	7	US-11-028-922A-4	Sequence 4, Appli	
7	890.4	47.4	1400	7	US-11-136-527-4204	Sequence 4204, Ap	
8	859	45.8	1225	6	US-10-955-054A-112	Sequence 112, App	
9	808	43.0	1102	6	US-10-955-054A-121	Sequence 121, App	
10	198.4	10.6	246960	7	US-11-121-086-8	Sequence 8, Appli	
11	176.4	9.4	1680	7	US-11-136-527-153	Sequence 153, App	
12	175	9.3	1324	7	US-11-136-527-2373	Sequence 2373, Ap	
13	170	9.1	1433	6	US-10-750-185-54253	Sequence 54253, A	
14	170	9.1	1433	6	US-10-750-623-54253	Sequence 54253, A	
15	168.6	9.0	1400	7	US-11-136-527-4249	Sequence 4249, Ap	
16	167.2	8.9	3062	6	US-10-995-561-120	Sequence 120, App	
17	167.2	8.9	3100	6	US-10-775-169-254	Sequence 254, App	
18	167.2	8.9	3101	6	US-10-995-561-119	Sequence 119, App	
19	167.2	8.9	30151	6	US-10-995-561-13239	Sequence 13239, A	
20	165.2	8.8	1348	7	US-11-136-527-3311	Sequence 3311, Ap	
21	160.4	8.5	3177	7	US-11-127-877-25	Sequence 25, Appl	
22	153	8.2	1960	7	US-11-136-527-617	Sequence 617, App	
23	146.6	7.8	1059	7	US-11-068-686-19	Sequence 19, Appl	

Db 302 TTGGGAAATTTTATGTAGAGCTGTGCATATCATCTACACCGTCAACCTTTTACAGCAGTG 361
 Qy 496 TTCTCATCTGGCTTCATCAGCCTGGACCGGTACCTTCGCCATTTGCCAGCCACCAACA 555
 Db 362 TTCTCATCTGGCTTCATCAGCCTGGACCGGTACCTTCGCCATTTGCCAGCCACCAACA 421
 Qy 556 GTCAAGGCCAAGGAACTGTGGCTGAAAGGAGCTCTATGTGGCGCTCTGGATCCAG 615
 Db 422 GCCAGAGCGGAGGAGCTGTGGCTGAAAGGCGCTCTATGTGGGTGTCTGGATCCCG 481
 Qy 616 CCCTCTCTCTGACTATACCTGACTTTCATCTTTCCGACGCTCAGCCAGGGGACATCAGTC 675
 Db 482 CCCTCTCTCTGACTATACCTGACTTTCATCTTTCCGACGCTCAGCCAGGGGAC- 534
 Qy 676 AGGGGATGACAGGTACATCTGTGACCGCTTTTACCCGATACCTGTGGATGGTGT 735
 Db 535 -----GGCAGGTACATCTGTGACCGCTTTTACCCGACCGCTGTGGATGGTGT 586
 Qy 736 TTCAATTTCCAGCATATAATGGTGGGTCTCATCTGCGCGGATCGTCATCTCTCTGTT 795
 Db 587 TCAGTTTCAGACATCATGGTGGGTCTCATCTGCGGGCATCGTCATCTCTCTGTT 646
 Qy 796 ACTGCATCATCTCTTAAGCTGTCACTTCAAGGGGCCACCAAGAGCGCAAGGCCCTCA 855
 Db 647 ACTGCATCATCTCTTAAGCTGTCACTTCAAGGGGCCACCAAGAGCGCAAGGCCCTCA 706
 Qy 856 AGACGACGATCATCTCTAGCTTTCTTTGCGTGTGGCTGCCATATTATGTGGGA 915
 Db 707 AGACTACGGTTCATCTTATCTGGCTTTCTTTGCGTGTGGCTGCCATATTATGTGGGA 766
 Qy 916 TCAGCATCGACTCTCTCATCTTTTGGAGTCAATCAAGCAAGATGTGACTTCGAGAGCA 975
 Db 767 TCAGCATCGACTCTCTCATCTTTTGGAGTCAATCAAGCAAGATGTGACTTCGAGAGCG 826
 Qy 976 TTGTGCACAGTGGATCTCCATCACAGAGCCCTCGCTTTCTTCCACTGTGTGCTGAACC 1035
 Db 827 TCGTGACRAGTGGATCTCCATCACAGAGCCCTCGCTTTCTTCCACTGTGTGCTGAACC 886
 Qy 1036 CMATCTCTATGCTTCTCGGGGCGCAAGTTTCAAAAGCTCTGCCAGCATGCACTCACT 1095
 Db 887 CCATCTCTACGCTTCTCTCGGGGCGCAAAATTCAGAGCTCCGGCGAGCATGCACTCAAT 946
 Qy 1096 CCATGACGAGAGCTCCAGCTCAAGATCTTTTCCAAAGGAGCGGGTGGACACTCTT 1155
 Db 947 CCATGACGAGAGCTCCAGCTCAAGATCTTTTCCAAAGGAGCGGGTGGACACTCTT 1006
 Qy 1156 CGCTCTCCAGGAGTCAAGATCTTCCAGTTTTCACCTCCAGCTAACCTTTATGCAAGACT 1215
 Db 1007 CGCTCTCCAGAGTCAAGATCTTCAAGTTTTCACCTCCAGCTAACCTTTATGCAAGACT 1066
 Qy 1216 TATATAAT 1265
 Db 1067 TATATAAT 1126
 Qy 1266 TTCCAGATATAAGAGTCAAGCTGTGTACAGTTTCTTTTCTTTTCTTTTCTTTTCTTTT 1325
 Db 1127 TCCAGATATAAAGAGTCAAGCTGTGTACAGTTTCTTTTCTTTTCTTTTCTTTTCTTTT 1186
 Qy 1326 GGGAGTTTATGTTCTCTCT-----AGTTTTTGTGAGTTTGTGACTTAAATTTATATAA 1378
 Db 1187 TGTTTTCTCYAGTTTGT 1246
 Qy 1379 T-----TGTTTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTT 1427
 Db 1247 TTGGTTTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTT 1306
 Qy 1428 CCAAGTTCTTAGTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTT 1487
 Db 1307 CCAAGTTCTTAGTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTT 1366
 Qy 1488 GAACTTCCAGAAATGTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTT 1547

Db 1367 GAACGCTCCAGAAATGTGTGTTAAATCGGATAAAGCTAGAAGTGACCCT-AGCTGTGCTG 1425
 Qy 1548 CATAATCTCTTTCATTCGAGGAGCAGCCACCCACCCACCCACCCACCCACCCACCCATCTTAA 1607
 Db 1426 CATAATCTCTT-----CGCCCGCCACCCCGTTCTGA 1459
 Qy 1608 ATTGTTTGGTTATGCTGTGTGATGGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTT 1667
 Db 1460 ATTGTTTGGTTGTGCTGTGTG----- 1480
 Qy 1668 TTTTCTCTTAAAGATGGCAGCTTAAACCAAGCCTGAATGGGTAGAAATGCTGG 1727
 Db 1481 GTTCTCTCTAGAAGATGGCAGCTTAAACCAAGCCTGAATGGT-ATAGAAATGCTGG- 1538
 Qy 1728 GTTCTCTCTAGAAGATGGCAGCTTAAACCAAGCCTGAATGGT-ATAGAAATGCTGG- 1787
 Db 1539 -----GTTTTTCTTTCAGTTTTCAGGGTGGATGATTTTTCAGTACCTTACAA 1585
 Qy 1788 ATGTACAGTCTTGTATATACATTTTAAATAAAGTCAATGATAAATTTAAAAAATAA 1847
 Db 1586 ATGTACAGTCTTGTATATATATTTAAATAAAGTCAATGATAAATTTAAAAAATAA 1645
 Qy 1848 AAAAAA 1853
 Db 1646 AAAAAA 1651
 RESULT 2
 US-11-136-527-108
 ; Sequence 108, Application US/11136527
 ; Publication No. US20050287570A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Wyeth
 ; APPLICANT: Mounts, William M
 ; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
 ; FILE REFERENCE: 031896-041000 (AM101086)
 ; CURRENT APPLICATION NUMBER: US/11/136,527
 ; CURRENT FILING DATE: 2005-05-25
 ; PRIOR APPLICATION NUMBER: US 60/574,294
 ; PRIOR FILING DATE: 2005-05-26
 ; NUMBER OF SEQ ID NOS: 362830
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 108
 ; LENGTH: 1643
 ; TYPE: DNA
 ; ORGANISM: Rattus norvegicus
 US-11-136-527-108
 Query Match 57.2%; Score 1074.4; DB 7; Length 1643;
 Best Local Similarity 80.4%; Pred. No. 3.6e-197;
 Matches 1448; Conservative 20; Mismatches 146; Indels 188; Gaps 11;

Qy 79 GGTGTCCTCCGTTAACCAACCGGCTGTAGAGCGAGTGTGGCATGGAACCGATCAGTGTGA 138
 Db 3 GGTGTCCTCCGTTAACCAACCGGCTGTAGAGCGAGTGTGGCATGGAACCGATCAGTGTGA 49
 Qy 139 GTATATACACTTCTGTATAACTACTCTGAAGAAGTGGGGTCTGGAGACTATGACTCCAACA 198
 Db 50 --ATATACACTTCCGTAATACTACTCTGAAGAAGTGGGGTCTGGAGACTATGACTCCAACA 107
 Qy 199 AGGAACCTGCTTCCGGGATGAAACGCTCCATTTCAATAGGATCTTCTGCCACCATCT 258
 Db 108 AGGAACCTGCTTCCGGGATGAAACGAAACCTTCAACAGGATCTTCTGCCACCATCT 167
 Qy 259 ACTTCATCATCTTCTGACTGGCATAGTGGCAATGGATGGTGTGATCTTCTGGTCAATGGTT 318
 Db 168 ATTTATCATCTTCTTACTGGCATAGTGGGCAATGGTGTGTAATCTTGGTCAATGGTT 227
 Qy 319 ACCAGAAGAAGCTTAAGGAGCATGACGACAGTACCGGCTGACCTGTGAGTGGCTGACC 378
 Db 228 ACCAGAAGAAGCTTAAGGAGCATGACGACAGTACCGGCTGACCTGTGAGTGGCTGACC 287
 Qy 379 TCCTCTTGTTCATACACTCCCTTCTGGGAGTTGATGCCATGGCTGACTGTTTG 438

D	b		1302	GTTTATTAGTCGCTGTGTCTGTGTGTAGACATGTATAGACTGTATARAGGAAGGAACCTGAAC	1361
Q	y		1492	ATTCCAGAATAAGTGCGTAATAAATGGAAATAAACAGCTAGCCGTGATCCTCAAGCTGTGTGCCTGCATA	1551
D	b		1362	GCTCCRGAATGTGTGGTAAATCGGATAAAGCTAGAAGTAGACCCTCACGCTCGCTGCCTGCATA	1421
Q	y		1552	ATCTCTTCATTCGAGGAGCACCACCCCACCCCCACCCACCCACCCACCCCATTCCTTAANAATTG	1611
D	b		1422	ATCTCTTCTT-----GCCCGCCACCCCCGTTCTCTGAATTG	1455
Q	y		1612	TTTGGTTATGCTGTGTGATGGTTTGTGTTTTTTTTTTTGTGTGTGTGTGTGTGTGTGTGTGT	1671
D	b		1456	TTTGGTTGCTGTGTG------GTTT	1476
Q	y		1672	TTCTGTAATAAGATGGCACTTTAAAACCAAAGCCTGAATAGTGTGGTAGAAATGCTGGGGTTTT	1731
D	b		1477	CTCTGTARAAGATGGCACTTTAAAAACAAGCCCTGNAATGCT - ATAGAAA TGCTGGGTTTTT	1535
Q	y		1732	TTTTTGTGTTGTTGTTTTTTTCAGTGTTCCTCAAGAGTAGATTGACATTCAGTCCCTACAAATGT	1791
D	b		1536	TTT-----TTTCAGTGTTCCTCAAGGGTGGATTGATTTTCAGTACCTACAAATGT	1581
Q	y		1792	ACAGTCTTGTPATTACATTTGTTAATAAAGTCAATGATAAATCTTAAAAAANAAAAAAAAAAAA	1851
D	b		1582	ACAGTCTTGTPATTATGTTGTTAATAAAGTCAATGATAAATCTTAAAAAANAAAAAAAAAAAA	1641
Q	y		1852	AA 1853	
D	b		1642	AA 1643	
 RESULT 3 US-11-028-922A-3 ; Sequence 3, Application US/11028922A ; Publication No. US20050271639A1 ; GENERAL INFORMATION: ; APPLICANT: Penn, Marc ; TITLE OF INVENTION: GENETICALLY ENGINEERED FOR THERAPEUTIC APPLICATIONS ; FILE REFERENCE: CCF-7019 ; CURRENT APPLICATION NUMBER: US/11/028, 922A ; CURRENT FILING DATE: 2005-01-04 ; NUMBER OF SEQ ID NOS: 9 ; SOFTWARE: PatentIn version 3.3 ; SEQ ID NO 3 ; LENGTH: 1662 ; TYPE: DNA ; ORGANISM: Homo sapiens US-11-028-922A-3					
Query Match 51.2%; Score 960.4; DB 7; Length 1662; Best Local Similarity 76.3%; Pred.No. 2.7e-175; Matches 1371; Conservative 0; Mismatches 291; Indels 136; Gaps 10;					
Q	y		68	CTGAGGCGTTTGCTCGCTCCGGTAACCAACAGCGCTGTAGACGAGTGTTGCCATGGNACC	127
D	b		1	CCGAGGCGCTGAGTGTCTCCAGTAGCCACCGCATCTCGAGAACCGCGGTTTACCATGGA--	58
Q	y		128	GATCAGTGTGAGTATATACATTTCTGATACTACTCTGAAGAAAGTGGGCTCGGAGACTA	187
D	b		59	---GGGGATCAGTATATATACATTTACAGATATCTACACGAGGAAATGGGCTCAGGGGACTA	115
Q	y		188	TGACTCCAACAAGGAACCCCTGCTCCGGGATGAAAACGTCCTATTCAATAGGATCTTCCT	247
D	b		116	TGACTCCATGAAGGAACCCCTGTTTCCGTGAAGAAATGCTAAATTTCAATAAATCTTCCT	175
Q	y		248	GCCACCATCTACTCATCATCTCTTTGACTGTGGCATAGTCGGCAATGGATTTGGTGATCCT	307
D	b		176	GCCACCATCTACTCCATCATCTTCTTAACCTGCAATTGTGGGCAATGGATTGGTTCATCCT	235
Q	y		308	GGTCATGGGTTACCAAGAGAAGCTAGGAGCATGACGGACAAGTACCGGCTGCACCTGTC	367
D	b		236	GGTCATGGGTTACCAAGAAAATCTGAGAAGCATGACGGACAAGTACAGGCTGCACCTGTC	295

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QY 368 AGTGGCTGACCTCTCTTGTGTCATCACACTCCCTCTCTGGCGAGTTGATGCCATGGCTGA 427
Db |||||
QY 296 AGTGGCGGACCTCTCTTGTGTCATCACGCTTCCCTTCTGGCGAGTTGATGCCGTGGCAA 355
Db |||||
QY 428 CTGGTACTTTTGGGAAATTTTGTGAAGGCTGTCCATPATCATCTACACTGTCAACCTCTA 487
Db |||||
QY 356 CTGGTACTTTTGGGAACTTCTCTATGCAAGGCAGTCCATGTCTATACACAGTCAACCTCTA 415
QY 488 CAGCAGGTTCTCATCTGCGCTTTCATCAGCCTGGACCGGTACTCGCCATTTGTCACGC 547
Db |||||
QY 416 CAGCAGTGTCTCATCTGCGCTTTCATCAGTCTGGACCGGTACTCGCCATTCGTCACGC 475
QY 548 CACCAACAGTCAAGGCCAAGGAACTGTGGCTGAAAGGCGCAGTCTATCTGGCGCTCTG 607
Db |||||
QY 476 CACCAACAGTCAAGGCCAAGGAGCTGTGGCTGAAAGTGTCTATGTTGGCGTCTG 535
QY 608 GATCCAGGCCCTCTCTGACTATACCTGTGACTTTCATCTTTGCCGAGCTCAGCCAGGGGA 667
Db |||||
QY 536 GATCCCTGCCCTCTCTGACTATTTCCGACTTTCATCTTTGCCAAGC----- 582
QY 668 CATCAGTCAGGGGATGACAGGTACATCTGTGACCGCTTATCCCGATAGCTGTGGAT 727
Db |||||
QY 583 -TCAGTGGAGGATGACAGATATATCTGTGACCGCTTCTACCCCAATGACTTGTGGGT 640
QY 728 GGTGGTGTTCAAATTCAGCATATAATGGTGGGTCTCATCTGCCCGGCATCGTCATCT 787
Db |||||
QY 641 GGTGTGTTCCAGTTTCAGCACATCATGGTTGGCTTATCTCGCTGTGTTATGTCATCT 700
QY 788 CTCCTGTACTGCATCATCATCTTAAGCTGTGCACACTCCAAGGGGCCACAGAGCGCAA 847
Db |||||
QY 701 GTCTGTGTAATGATATCATCTCCAAGCTGTGCACACTCCAAGGGGCCACAGAGCGCAA 760
QY 848 GGGCTCTCAAGACAGCATCATCTCATCTCTAGCTTCTTTTGGCTGTGGCTGCATATTA 907
Db |||||
QY 761 GGGCTCTCAAGACAGCATCATCTCATCTCTGGCTTCTTCCGCTGTGGCTGCCTACTA 820
QY 908 TGTGGGATCAGATCAGCTCTCTTCACTCTTTGGGAGTTCATCAAGCAAGGATGCACTT 967
Db |||||
QY 821 CATGGGATCAGATCAGCTCTCTTCACTCTCTCTGGAAATCATCAAGCAAGGATGAGTT 880
QY 968 CGAGAGCATTTGTGCACAAGTGGATCTCCATCACAGAGGCCCTCGCTTCTTCCACTGTTG 1027
Db |||||
QY 881 TGAGAACACTGTGCACAAGTGGATTTCCATCACCGAGGCCCTAGCTTCTTCCACTGTTG 940
QY 1028 CTTGAACCCCATCTCTATGCTTCTCTGGGGCAAGTTCAAAAGCTCTGCCCAGCATGC 1087
Db |||||
QY 941 TCTGAACCCCATCTCTATGCTTCTCTTGGAGCCAAATTTAAACCTCTGCCCAGCACGC 1000
QY 1088 ACTCAATCCATCAGCAGAGGCTCCAGCTCAAGATCTTTTCCAAAGGAAAGCGGGTGG 1147
Db |||||
QY 1001 ACTCACTCTGTGAGCAGAGGGTCCAGCTCAAGATCTCTCCAAAGGAAAGCAGGTGG 1060
QY 1148 ACACCTCTTCGCTCCACGAGTCAAGATCTCCAGTCTTTCCTCCAGCTTAACCTTTATG 1207
Db |||||
QY 1061 ACATTCATCTGTTTCCACTGAGTCTGAGTCTCAAGTCTTTCCTCCAGCTAA----- 1112
QY 1208 CAAAGACTTATATATATATATATATATATATATATATATATATATATATATATATAT 1267
Db |||||
QY 1113 CACAGATGTAAGAGACTTTTATATACGATAAATAAATTAACATTTTATTAAGTTTACATAT 1172
QY 1268 CCAGATATAGAGACTGACAGCTCTGTACAGTCTTTTATTTTATTTTATTTTATTTGTTG 1327
Db |||||
QY 1173 TCAGATATAAAGACTGACCAATATGTACAGTTTTTATTTGCTGTGGATTTTGT--- 1229
QY 1328 GAGTTTATGTTCTCTAGTTTTTGTGAGGTTTGACTTTTATATATATATATATATATAT 1387
Db |||||
QY 1230 ---CTTGTGTTCTTGTAGTTTTTGTGAAGTTTAAATGACTTATTTATA-----TAAATTT 1282
QY 1388 GTTTGTTTCAATGATGAGCTTAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1447
Db |||||
QY 1283 TTTTGTGTTTCAATATGATGTGTGTCTAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1342
QY 1448 TATCTGTGTAGGACTGTAGAACTGTAGAGGAAGAACTGAACATTTCCAGAAATGTGTGG 1507
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Db 1343 TGTCTCGTGGTAGGACTGTAGAA-----AAGGGAACCTGAACATTTCCAGAGCGTGTAG 1394
QY 1508 TAAATGAATAAAGCTAGCGGTGATCCTCAGCTGTGTTGCTGTCATATCTCTTCAATCCGAG 1567
Db |||||
QY 1395 TGAATCACGTAAGCTAGAAATGATCCCGAGCTGTTTATGTCATAGATAATCTCTCCA--- 1451
QY 1568 GAGCACCCACCCACCCACCCACCCACCCACCCATCTTAAATTTGTTGTTATGCTGTGT 1627
Db 1452 ----- 1451
QY 1628 GATGGTTTGTGGTGTGTTTGTGTTGTTGTTGTTTCTGTAAAAAGATGGC 1687
Db 1452 -----TTCCCGTGGACGTTTTTCTGTTCTTAAGACGTTGATTTGCTGTAGAAGATGC 1506
QY 1688 ACTTAAACCAAGCCTGAATGGGTGAGAAATGCTGGGGTTTTTTTTGTTGTTGTTT 1747
Db 1507 ACTTAAACCAAGCCTGAATGGGT-ATAGAAATGCTGG-----T 1545
QY 1748 TTTTCAGTTTTCAAGAGTAGATTGATCTTCAGTCCCTTACAAATGTACAGTCTTGTATTACA 1807
Db 1546 TTTTCAGTTTTCAGGAGTGGTTGATTTTCAGCACCTAC-AGTGTACAGTCTTGTATTAG 1604
QY 1808 TTGTTAATAAAGTCAATGATATAAATTTAAAAAATAAATAAATAAATAAATAAATAA 1865
Db 1605 TTGTTAATAAAGTACATGTTAACTTAAAAAATAAATAAATAAATAAATAAATAA 1662
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RESULT 4
US-11-136-527-6726
; Sequence 6726, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 6726
; LENGTH: 1400
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-11-136-527-6726

Query Match 50.6%; Score 950; DB 7; Length 1400;
Best Local Similarity 82.8%; Pred. No. 2.5e-173;
Matches 1239; Conservative 4; Mismatches 129; Indels 124; Gaps 9;

QY 386 TGTATCATCACATCCCTCTCTGGGCGAGTTGATGCCATGGCTGACTGTGTTGGGAAAT 445
Db 1 TGTATCATCACATCCCTCTCTGGGCGAGTGGACGCCATGGCTGACTGTGTTGGGAAAT 60

QY 446 TTTGTGTAAGGCTGTCCATATCATCTACACTGTCAACCTCTACAGCAGCGTTCTCATCT 505
Db 61 TTTATGTAAGGCTGTGCATATCATCTACACCGTCAACCTTTTACAGCAGTGTCTCATCT 120

QY 506 GGCCTTTTCATCAGCTGGACCGGTACCTCGCCATTGTCCACGCCACCACAGTCAAAAGGCC 565
Db 121 GGCCTTTTCATCAGCTGGACCGGTACCTCGCCATTGTCCACGCCACCACAGCAGCGC 180

QY 566 AAGGAACTGCTGGCTGAAAAGGCGAGTCTATGTGGCGGTCTGGATCCCGAGCCCTCTCT 625
Db 181 GAGGAAGCTGCTGGCTGAAAAGGCGGTCTATGTGGGTGTCTGATCCCGCCCTCTCTCT 240

QY 626 GACTATACCTGACTTCATCTTTTCCGAGCTCAGCCAGGGGAGCATCAGTCAGGGGATGA 685
Db 241 GACTATCTCTGATCATCATCTTCTCCGATGTGACCCAGGGGAGC-----GG 285

QY 586 CAGGTACATCTGTGACCGCCCTTACCCCGATAGCCTGTGTGATGGTGTGTTCAATTCCA 745
Db 286 CAGGTACATCTGTGACCGCCCTTACCCCGACAGCCTGTGTGATGGTGTGTTCCAGTTCCA 345
QY 746 GCATATAATGGTGGGTCTCATCTGCGCGGCATCGTCATCTCTCTGTTTACTGTGCATCAT 805
Db 346 GCATATCATGGTGGGTCTCATCTGCGCGGCATCGTCATCTCTCTGTTTACTGTGCATCAT 405
QY 806 CATCTCTAAGCTGTACATCTCCAAAGGCGCCACGAAGCGCAAGCGCCCTCAAGACGACAGT 865
Db 406 CATCTCAAGCTGTACATCTCCAAAGGCGCCACGAAGCGCAAGCGCCCTCAAGACTACGGT 465
QY 866 CATCTCATCTAGCTTTCTTTGCTGCTGCTGCCATATATGTGGGATCAGCATCGA 925
Db 466 CATCTCTATCTGCTGCTTTCTTTGCTGCTGCTGCCATATATGTGGGATCAGCATCGA 525
QY 926 CTCCTTCATCTTTGGGAGTCATCAAGCAAGGATGTACTTCGAGAGCATGTGCACAA 985
Db 526 TTCTCTCATCTTTGGAGTCATCAAGCAAGGATGTAGTTTCAGAGCGCTGTGCACRA 585
QY 986 GTGGATCTCCATCACAAGAGCCCTCGCTTTCTTCCACTGTGTGCTGAAACCCCATCTCTA 1045
Db 586 GTGGATCTCCATCACAAGAGCCCTCGCTTTCTTCCACTGTGTGCTGAAACCCCATCTCTA 645
QY 1046 TGGCTTCTCGGGCCCAAGTTCAAAAGCTCTGCCAGCATGCACTCACTCCATGAGCAG 1105
Db 646 CGCTTCTCGGGGCCCAAAATTCAGAGCTCTCGGCGAGCATGCACTCAATTCATGAGCAG 705
QY 1106 AGCTCCAGCTCAAGATCTTTTCCAAAGGAAGCGGGGTGGACACTTTCGCTCTCCAC 1165
Db 706 AGCTCCAGCTCAAGATCTTTTCCAAAGGAAGCGGGGTGGACACTTTCGCTCTCCAC 765
QY 1166 GGAGTCAGAAATCTCTCAGTTTTCACCTCAGCTAACCTTTATGCAAGACTTATATAAT 1225
Db 766 AGAGTCAGAAATCTCTCAGTTTTCACCTCAGCTAACCTTTATGCAAGACTTATATAAT 825
QY 1226 ATATATATATAT-----GATAAAGAACTTTTATATGTTACATTTCCAGATAT 1275
Db 826 ATATATATATATATATATGACAAAGAACTTTTATATGTTACATTTCCAGATAT 885
QY 1276 AAGAGCTGACCACTGTGTGACAGTTTATTTTATTTTATTTTATTTTATTTTATTTTAT 1335
Db 886 AAGAGCTGACCACTGTGTGACAGTTTATTTTATTTTATTTTATTTTATTTTATTTTAT 945
QY 1336 GTTCTCTCT-----AGTTTGTGAGTTTGTACTTAATTTATATAATAT----- 1379
Db 946 GTTGT 1005
QY 1380 --TGTTTTTTTGTGTTTATGTAATGAGCGTCTAGGCGTAGGCGAGGACCTGTGGCCAGTTCTT 1437
Db 1006 TCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 1065
QY 1438 AGTAGCTGTTTATCTGT 1497
Db 1066 AGT 1125
QY 1498 GAATGT 1557
Db 1126 GAATGT 1184
QY 1558 TCATTTCCGAGGAGCACCCCAACCCCAACCCCAACCCCAACCCCAACCCCAACCCCA 1617
Db 1185 T-----CGCCCCCGCCCCCGCCCCCGCCCCCGCCCCCGCCCCCGCCCCCGCCCC 1218
QY 1618 TATGCTGT 1677
Db 1219 TGTGCTGTGTG-----GTTTCTCTGT 1239
QY 1678 AAAAGATGGCACTTAAAAACAAAGCCGTGAAATGGTGTAGAAATGCTGGGGTTTTTTTG 1737
Db 1240 AAGAGATGGCACTTAAAAACAAAGCCGTGAAATGGT-ATAGAAATGCTGG----- 1287
QY 1738 TTTGTTTGTGTTTTTCAGTTTTCAGAGTAGATTGACTTTCAGTCCCTACAAATGTACAGTC 1797

RESULT 5

US-10-955-054A-141
; Sequence 141, Application US/10955054A
; Publication No. US20050266420A1
; GENERAL INFORMATION:
; APPLICANT: PUSZTAI, LAJOS
; APPLICANT: SYMMANS, W. FRASER
; APPLICANT: HESS, KENNETH R.
; APPLICANT: AYERS, MARK
; APPLICANT: SPEC, JAMES
; TITLE OF INVENTION: MULTIGENE PREDICTORS OF RESPONSE TO CHEMOTHERAPY
; FILE REFERENCE: UTXC:880US
; CURRENT APPLICATION NUMBER: US/10/955,054A
; CURRENT FILING DATE: 2004-09-30
; NUMBER OF SEQ ID NOS: 195
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 141
; LENGTH: 8747
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-955-054A-141

Query Match 49.7%; Score 932.4; DB 6; Length 8747;
Best Local Similarity 81.5%; Pred. No. 1e-169;
Matches 1156; Conservative 0; Mismatches 221; Indels 41; Gaps 5;
QY 134 TGTGAGTATATACACTTCTGTATAACTTCTGTAAGAGTGGGTCTGGAGACTATGACTC 193
Db 4861 TTTGCAATATATACACTTCTGATTAACCTACACCGAGGAATGGGCTCAGGGACTATGACTC 4920
QY 194 CAACAAGGAACCTGTCTCCGGATGAAACGTTCCATTTCAATAGGATCTTCTGCCCCAC 253
Db 4921 CATGAAGGAACCTGTCTCCGTGAAGAAATGCTAATTTCAATAAAATCTTCTGCCCCAC 4980
QY 254 CATCTACTTATCATCTTCTTGTAGCTGGCATAGTGGCAATGGATTTGGTATCTTGTGCAT 313
Db 4981 CATCTACTTCCATCATCTTCTTAACTGGCATTTGTGGCAATGGATTTGGTATCTTGTGCAT 5040
QY 314 GGGTTACCAAGAACTAAGGAGCATGACGGAAGTACCGGCTGCACCTGTCTGAGTGGC 373
Db 5041 GGGTTACCAAGAACTAAGGAGCATGACGGAAGTACCGGCTGCACCTGTCTGAGTGGC 5100
QY 374 TGACCTCTCTTTGTCTATCACACTCCCTTCTGGGCGAGTTGATGCCATGGCTGACTGGTA 433
Db 5101 CGACCTCTCTTTGTCTATCAGCTTCCCTTCTGGGCGAGTTGATGCCGTTGGCAACTGGTA 5160
QY 434 CTTTGGGAAATTTTGTGTGAAGCTGTCCATATCATCTACACTGTCAACCTCTTACAGCAG 493
Db 5161 CTTTGGGAACTTCTTATGCAAGGCACTCCATGTCTATTACACAGTCAACCTCTTACAGCAG 5220
QY 494 CGTTCTCATCTTGGCTTCTCATAGCTGGACCGGTACCTCGCCATTTGTCACCGCCACCA 553
Db 5221 TGTCTCATCTTGGCTTCTCATAGCTGGACCGGTACCTCGCCATTTGTCACCGCCACCA 5280
QY 554 CAGTCAAGGCGCAAGGAACTGCTGGCTGAAAGGCGAGTCTATGTGGGCGCTCTGGATCCC 613
Db 5281 CAGTCAAGGCGCAAGGAGCTGTTGGCTGAAAGGTTGTTATGTTGGCGCTCTGGATCCC 5340
QY 614 AGCCCTCTCTGACTATATACCTGACTTTCATCTTTTGGCGAGCTCAGCCAGGGGAGCATCAG 673
Db 5341 TGCCCTCTCTGCTGACTATTTCCCGACTTTCATCTTTTGGCAACG-----TCAG 5385
QY 674 TCAGGGGAGTACAGCTGACTCTGTGACCGCTTTTACCCCGATAGCTGTGGATGGTGGT 733
Db 5386 TGAGGCGAGTACAGATATATCTGTGACCGCTTCTACCCCAATGACTTGTGGGTGGTGTGT 5445

734 GTTTCATATCCAGCATATATGTTGGTCTCATCTCGCCGGCATCGTCACTCTCTCTG 793
|||
Db 5446 GTTCCAGTTTCAGACATCATGTTGGCTTATCTGCTGTTATGTTGTCATCTCTGCTG 5505
|||
Qy 794 TTACTGCATCATCATCTTAAGCTGTACACTCAAGGGCCACAGAGGCCAAGGCCCT 853
|||
Db 5506 CTATTGCATTATCATCTCAAGCTGTACACTCAAGGGCCACAGAGGCCAAGGCCCT 5565
|||
Qy 854 CAAGACGACAGTCACTCATCTAGTCTTCTTGGCTGTGCTGCTGCCATATTATGGG 913
|||
Db 5566 CAAGACGACAGTCACTCATCTAGTCTTCTTGGCTGTGCTGCTGCCATATTATGGG 5625
|||
Qy 914 GATCAGCATCGACTCTTCACTCTTGGAGTCACTCAAGCAAGGATGTGACTTCGAGAG 973
|||
Db 5626 GATCAGCATCGACTCTTCACTCTTGGAGTCACTCAAGCAAGGATGTGAGTTGAGAA 5685
|||
Qy 974 CATTTGCAAGTGGATCTCCATCAAGAGGCTCTGCTGCTTCTTCCACTGTTGCTCGAA 1033
|||
Db 5686 CACTGTGCAAGTGGATTTCCATCAAGAGGCTCTGCTGCTTCTTCCACTGTTGCTGAA 5745
|||
Qy 1034 CCCCATCTCTATGCTCTCTCGGGCCAGTTCAAGAGTCTGCCCAGCATGCACTCAA 1093
|||
Db 5746 CCCCATCTCTATGCTCTCTCGGGCCAGTTCAAGAGTCTGCCCAGCATGCACTCAA 5805
|||
Qy 1094 CTCATGAGCAGAGGCTCCAGCTCAAGATCTTCCAAAGGAAAGCGGGTGGACATC 1153
|||
Db 5806 CTCGTGAGCAGAGGCTCCAGCTCAAGATCTTCCAAAGGAAAGCGGGTGGACATC 5865
|||
Qy 1154 TTCCTGTCCAGAGGTCAGAACTCTCCAGTCTTCACTCCAGCTAACCCCTTATGCAAGA 1213
|||
Db 5866 ATCTGTTTCCACTGAGTCTGAGTCTTCAAGTCTTCACTCCAGCTAA-----CACAGA 5917
|||
Qy 1214 CTTAT 1273
|||
Db 5918 TGTAAAGAGCTTTTAT 5977
|||
Qy 1274 ATAAGAGACTGACAGTCTTGTACAGTTTTTTTTTTTTTTTTTAAATGACTGCTGGAGTTT 1333
|||
Db 5978 ATAAAGACTGACCAAT 6031
|||
Qy 1334 ATGTTCTCTAGTTTTTGTAGGTTTTGACTTAATTTATATATATATATATATATATAT 1393
|||
Db 6032 GTGTTCTTTAGTTTTTGTAGGTTTTTAAATTTGACTTATTATATA-----TAAATTTTTTTTGT 6087
|||
Qy 1394 TTCAATGTAATGAGCTCTAGGAGGAGGCTGTCGCGCAAGTTCTTAGTAGCTGTTTATCTG 1453
|||
Db 6088 TTCAATTTGATGTGTCTTAGGAGGAGGCTGTGCGCAAGTTCTTAGTTGCTGTATGTCTC 6147
|||
Qy 1454 TGTGTAGGACTGTAGAACTGTAGAGGAGAAACTGAACTTCCAGAAATGTGTGTAATAAT 1513
|||
Db 6148 GTGTAGGACTGTAGAA-----AAGGAACTGAACTTCCAGAGCGTGTAGTGAATC 6199
|||
Qy 1514 GAATAAGCTAGCGTGAATCTCTCAGCTGTTGCTGCATA 1551
|||
Db 6200 ACCTAAAGCTAGAAATGATCCCCAGCTGTTTATGCATA 6237
|||

RESULT 6

US-11-028-922A-4
; Sequence 4, Application US/11028922A
; Publication No. US20050271639A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Marc
; TITLE OF INVENTION: GENETICALLY ENGINEERED FOR THERAPEUTIC APPLICATIONS
; FILE REFERENCE: CCF-7019
; CURRENT APPLICATION NUMBER: US/11/028,922A
; CURRENT FILING DATE: 2005-01-04
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4
; LENGTH: 1050
; TYPE: DNA

ORGANISM: Rattus norvegicus
US-11-028-922A-4
Query Match 48.2%; Score 905.6; DB 7; Length 1050;
Best Local Similarity 91.6%; Pred. No. 7.5e-165;
Matches 975; Conservative 0; Mismatches 74; Indels 15; Gaps 1;
Qy 136 TGAGTATATACACTTCTGTATAACTACTCTGAAAGAGTGGGGTCTGGAGACTATGACTCA 195
|||
Db 2 TGGAAATATACACTTTCGGATACTACTCCGAAGAAGTAGGGTCTGGAGACTATGACTCCA 61
|||
Qy 196 ACAAGAAACCTCTGCTTCGGGATGAAAACGTCCATTTCAATAGGATCTTCTTCCGCCACCA 255
|||
Db 62 ACAAGAAACCTCTGCTTCGGGATGAAAACGTCCATTTCAATAGGATCTTCTTCCGCCACCA 121
|||
Qy 256 TCTACTTTCATCATCTCTGACTGGCATAGTGGCAATGGATTGGTGTGATCTCTGGTCAATG 315
|||
Db 122 TCTATTTTATCATCTCTTGGACTGGCATAGTGGCAATGGATTGGTGTGATCTCTGGTCAATG 181
|||
Qy 316 GTTACCAGAAAGCTTAAGGAGCATGACGGAACAAGTACCGGCTGCACCTGTCTCAGTGGCTG 375
|||
Db 182 GTTACCAGAAAGCTGAGGAGCATGACAGACAAGTACCGGCTGCACCTGTCCGTGGCTG 241
|||
Qy 376 ACTCTCTCTTGTCTATCACTCCCTCTTCTGGGAGTTGATGCCATGGCTGATGCTGACT 435
|||
Db 242 ACTCTCTCTTGTCTATCACTCCCTCTTCTGGGAGTGGACGCCATGGCTGACTGCTGACT 301
|||
Qy 436 TTGGGAAATTTTGTCTAAGGCTGCCATATCATCTACACTGTCAACCTCTACAGCAGCG 495
|||
Db 302 TTGGGAAATTTTGTCTAAGGCTGCCATATCATCTACACCCTCAACCTTTTACAGCAGTG 361
|||
Qy 496 TTCTCATCTGCGCTTTCATCAGCCTGGACCGGTACCTCGCCATTTGTCCAGGCCACCAACA 555
|||
Db 362 TTCTCATCTGCGCTTTCATCAGCCTGGACCGGTACCTCGCCATTTGTCCAGGCCACCAACA 421
|||
Qy 556 GTCAAAGCCAAAGGAAACTGTGGCTGAAAAGGAGTCTATGTGGGCGTCTGGATCCCGAG 615
|||
Db 422 GCCAGAGCGGAGGAGCTGCTGGCTGAAAAGGCGCTCTATGTGGGTGTCTGGATCCCGG 481
|||
Qy 616 CCTCTCTCTGACTATACCTGACTTTCATCTTGGCGAGCTGAGCCAGCCAGGGGGACATCAGTC 675
|||
Db 482 CCTCTCTCTGACTATCTTCCGAGCATCATCTTCCGCGATGTGAGCCAGGGGGAC----- 534
|||
Qy 676 AGGGGGATGACAGGTACATCTGTGACCGCTTTACCCCGATAGCCTGTGGATGGTGGTGT 735
|||
Db 535 -----GGCAGGTACATCTGTGACCGCTTTACCCCGACAGCCTGTGGATGGTGGTGT 586
|||
Qy 736 TTCAATTCAGCATATATATGTTGGGTCTCATCTGCGCGGCGATCTGTCATCTCTCTGTT 795
|||
Db 587 TCAGTTCCAGCACATCATGTTGGGTCTCATCTGCGGGGCGATCTGTCATCTCTCTGTT 646
|||
Qy 796 ACTGCATCATCTCTTAAGCTGTACACTTCCAAAGGGCCACAGAGGCCAAGGCCCTCA 855
|||
Db 647 ACTGCATCATCTCTCAAGCTGTACACTTCCAAAGGGCCACAGAGGCCAAGGCCCTCA 706
|||
Qy 856 AGACGACAGTCACTCTCATCTAGCTTTTCTTGGCTGTGGCTGCCATATTATGTGGGA 915
|||
Db 707 AGACTACGCTCATCTTATCTCTGGCTTTCTTGGCTGTGGCTTACCGTATTACGTGGGA 766
|||
Qy 916 TCAGCATGACTCTCTTTCATCTTGGGAGTCACTCAAGCAAGATGTGACTTTCGAGAGCA 975
|||
Db 767 TCAGCATGATTTCTTTCATCTTGGAGTCACTCAAGCAAGATGTGAGTTTCGAGAGCG 826
|||
Qy 976 TTGTGCACAAGTGGATCTCCATCACAGGCGCTCGCCCTTCTTCCACTGTGTGCTGAACC 1035
|||
Db 827 TGTGCACAAGTGGATCTCCATCACAGGCGCTCGCCCTTCTTCCACTGTGTGCTGAACC 886
|||
Qy 1036 CCATCTCTATGCTTCTCTCGGGGCCAAGTTCAAAAGCTCTGCCAGCATGCACTCAACT 1095
|||
Db 887 CCATCTCTACGCTTCTCTCGGGGCCAATTCAAAGAGCTCCGCGCAGCATGCACTCAATT 946
|||
Qy 1096 CCATGAGCAGGCTCCAGCTCAAGATCTTTCAAAGAGAGCGGGGTGGACATCTTT 1155
|||

Db 947 CCATGACGAGGCTCAGCCTCAAGATCCTTTCCAAAGGGAACGGGGTGGACACTCTT 1006

Qy 1156 CCGTCTCCACGGAGTCAAGATCCTCCAGTTTTCATCCAGCTAA 1199

Db 1007 CCGTCTCCACGAGTCAAGATCCTCAAGTTTTCATCCAGCTAA 1050

RESULT 7

US-11-136-527-4204

; Sequence 4204, Application US/11136527

; Publication No. US20050287570A1

; GENERAL INFORMATION:

; APPLICANT: Wyeth

; APPLICANT: Mounts, William M

; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes

; FILE REFERENCE: 031896-041000 (AM101086)

; CURRENT APPLICATION NUMBER: US/11/136,527

; CURRENT FILING DATE: 2005-05-25

; PRIOR APPLICATION NUMBER: US 60/574,294

; PRIOR FILING DATE: 2005-05-26

; NUMBER OF SEQ ID NOS: 362830

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 4204

; LENGTH: 1400

; TYPE: DNA

; ORGANISM: Rattus norvegicus

US-11-136-527-4204

Query Match 47.4%; Score 890.4; DB 7; Length 1400;

Best Local Similarity 79.4%; Pred. No. 6.8e-162;

Matches 1227; Conservative 20; Mismatches 126; Indels 173; Gaps 10;

Qy 335 GAGCATGACGGAACAAGTACCGGTGCAACCTGTGAGTGGTGCCTCTCTTTGTCATCAC 394

Db 1 GAGCATGACGACAAGTACCGGTGCAACCTGTGAGTGGTGCCTCTCTTTGTCATCAC 60

Qy 395 ACTCCCTCTTGGGCGATTCATGCCATGGCTGACTGGTACTTTGGGAAATTTTGTGTAA 454

Db 61 ACTCCCTCTTGGGCGATTCATGCCATGGCTGACTGGTACTTTGGGAAATTTTGTGTAA 114

Qy 455 GGCTGTCCATATCATCTACACTGTCAACCTGTACAGCAGGTTCTCATCTCGCCTTCAT 514

Db 115 GGCTGTGCATATCATCTACACTGTCAACCTGTACAGCAGTGTCTCATCTCGCCTTCAT 174

Qy 515 CAGCCTGGACCGGTACTCTGCCATTTGTCACGCCACCAACAGTCAAGGCGCAAGGAACT 574

Db 175 CAGCCTGGACCGGTACTCTGCCATTTGTCACGCCACCAACAGTCAAGGCGCAAGGAACT 234

Qy 575 GCTGGCTGAAAGGCGAGTCTATGTGGGGCTGTGGATCCGAGCCCTCTCTGACTATACC 634

Db 235 GCTGGCTGAAAGGCGAGTCTATGTGGGGCTGTGGATCCGAGCCCTCTCTGACTATACC 249

Qy 635 TGACTTTCATCTTTGCCGAGTCAAGGCGGAGATCAGTCAAGGCGGATGACAGGTACAT 694

Db 250 CGACATCATCTTCCGAGTGTGAGCAGGCGGAGC-----GGCAGGTACAT 294

Qy 695 CTGTGACCGCTTTTACCCGATAGCCTGTGGATGGTGGTGTTCATTTCCAGCATATAAT 754

Db 295 CTGTGACCGCTTTTACCCGATAGCCTGTGGATGGTGGTGTTCATTTCCAGTCACATCAT 354

Qy 755 GGTGGGTCTCATCTGCGCGGATCGTCACTCTCTCTGTACTGATCATCATCTCTAA 814

Db 355 GGTGGGTCTCATCTGCGCGGATCGTCACTCTCTCTGTACTGATCATCATCTCTAA 414

Qy 815 GCTGTGACACTCCAAAGGCGGACAGAGCGGCGCTCAAGAGCGAGTCACTCTCAT 874

Db 415 GCTGTGACACTCCAAAGGCGGACAGAGCGGCGCTCAAGAGCGAGTCACTCTCAT 474

Qy 875 CTTAGCTTTCTTTGCGCTGTGGTGGCCATATTATGTGGGATCAGCATCGACTCTTTTCAT 934

Db 475 CTTAGCTTTCTTTGCGCTGTGGTGGCCATATTATGTGGGATCAGCATCGACTCTTTTCAT 534

Qy 935 CTTTGGGAGTCAATCAAGCAAGGATGTGACTCTCGAGAGCAATTTGTGCAAGTGGATCTC 994

RESULT 8

US-10-955-054A-112

; Sequence 112, Application US/10955054A

; Publication No. US20050266420A1

; GENERAL INFORMATION:

; APPLICANT: PUSZTAI, LAJOS

; APPLICANT: SYMMANS, W. FRASER

; APPLICANT: HESS, KENNETH R.

; APPLICANT: AYERS, MARK

Db 535 CTTTTTGGAGGTCAATCAAGCAAGATGTGAGTTTCGAGAGCGTCTGTCACAAAGTGGATCTC 594

Qy 995 CATCACAGAGGCCCTCGCCTTTCTTCCACTGTTCGCTTGAACCCCATCTCTTATGCCCTTCT 1054

Db 595 CATCACAGAGGCCCTCGCCTTTCTTCCACTGTTCGCTTGAACCCCATCTCTTATGCCCTTCT 654

Qy 1055 CGGGGCAAGTTTCAAAAGCTCTGCCAGCATGCACTCAACTCCATGAGCAGAGGCTCCAG 1114

Db 655 CGGGGCAAAATTCAGASSTCCGCGAGCATGCACTCAATTCATGAGCAGAGGCTCCAG 714

Qy 1115 CCTCAAGATCCTTTTCCAAAGGAAAGCGGGTGGACACTCTTCCGCTCTCCACGAGTCA 1174

Db 715 CCTCAAGATCCTTTTCCAAAGGAAAGCGGGTGGACACTCTTCCGCTCTCCACGAGTCA 774

Qy 1175 ATCCTCCAGTTTTCATCCAGCTTAACCTTTATGTCAAAGACTTATATAATATATATATA 1234

Db 775 ATCCTCAAGTTTTCATCCAGCTTAACCTTTATGTCAAAGACTTATATAATATATATA 834

Qy 1235 TAT-----GATAAAGAACTTTTATGTTACACATTTCCAGATATAAGAGACTGA 1285

Db 835 TATATATATATGMAAAGAACTTTTATGTTACACATTTCCAGATATAAGAGACTGA 894

Qy 1286 CCAAGTCTGTACAGTTTCTTTTATGTTTAAATGACTGTGGGAGTTTATGTTCTCTCT 1343

Db 895 CCAATCTGTACAGTTTCTTTTATGTTTAAATGACTGTGGGAGTTTATGTTCTCTCTCT 954

Qy 1344 -----AGTTTGTGAGGTTTGACTTAAATTTATATAATATGTTT-----TT 1387

Db 955 GTGTGTGTGTGTGAGTTTGAATTTATATAATATATGTTTTCYGTGKT 1014

Qy 1388 GTTGTGTTTCAATGTAATGAGCTGTAGGAGGAGCTGTGGCCAAAGTTCTTAGTGTGT 1447

Db 1015 GTCTGTTTCACTGTAATGAGTGTGTAGGAGGAGCTGTGGCCAAAGTTTCTTAGTGTGT 1074

Qy 1448 TATCTGTGTAGGACTGTAGACTGTAGAGGAGAACTGACATTCAGAAATGTGTGG 1507

Db 1075 TGCTGTGTGTAGGACTGTAGACTGTAGAGGAGAACTGACATTCRGAATGTGTGG 1134

Qy 1508 TAAATGTAATAAGCTAGCGGTGATCCTCAGCTGTGTGTCATAATCTCTTCAATCCGAG 1567

Db 1135 TAAATCGGATAAAGCTAGAAAGTGAACCTCAGCTGTGCTGCATATCTT----- 1185

Qy 1568 GAGCAGCCCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1627

Db 1186 -----YGCCCGCCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1228

Qy 1628 GATGGTTTGTGTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 1687

Db 1229 G-----GTTTCTGTGTAAGATGGC 1349

Qy 1688 ACTTAAACCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1747

Db 1250 ACTTAAACCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1294

Qy 1748 TTTTCAAGTTTCAAGAGTGTGACTTCAGTCCCTTACAAATGTACAGTCTGTGTATACA 1807

Db 1295 YTTTCAGTTTCAAGGAGTGTGATTTTTCAGTACCTTACAAATGTACAGTCTGTGTATATG 1354

Qy 1808 TTTTCAAGTTTCAAGAGTGTGACTTCAGTCCCTTACAAATGTACAGTCTGTGTATACA 1853

Db 1355 TTTTCAAGTTTCAAGAGTGTGACTTCAGTCCCTTACAAATGTACAGTCTGTGTATATG 1400

; APPLICANT: STEC, JAMES
 ; TITLE OF INVENTION: MULTIGENE PREDICTORS OF RESPONSE TO CHEMOTHERAPY
 ; FILE REFERENCE: UTXC:880US
 ; CURRENT APPLICATION NUMBER: US/10/955,054A
 ; CURRENT FILING DATE: 2004-09-30
 ; NUMBER OF SEQ ID NOS: 195
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 112
 ; LENGTH: 1225
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-955-054A-112

Query Match 45.8%; Score 859; DB 6; Length 1225;
 Best Local Similarity 83.3%; Pred. No. 6.8e-156;
 Matches 1009; Conservative 0; Mismatches 180; Indels 22; Gaps 2;

QY	136	TGAGTATATACACTCTTCGATAA	136	TGAGTATATACACTCTTCGATAA
DB	36	TCAGTATATACACTTCAGATAA	54	TCAGTATATACACTTCAGATAA
QY	196	ACAAGAACCTCTCTCGGGATG	196	ACAAGAACCTCTCTCGGGATG
DB	96	TGAAGAACCTCTCTCGGGATG	114	TGAAGAACCTCTCTCGGGATG
QY	256	TCTACTTCATCATCTTCTGAC	256	TCTACTTCATCATCTTCTGAC
DB	156	TCTACTTCATCATCTTCTGAC	256	TCTACTTCATCATCTTCTGAC
QY	316	GTTCACAGAACCTCTCTGAC	316	GTTCACAGAACCTCTCTGAC
DB	216	GTTCACAGAACCTCTCTGAC	316	GTTCACAGAACCTCTCTGAC
QY	376	ACCTCTCTCTCTCTCTCTCT	376	ACCTCTCTCTCTCTCTCTCT
DB	276	ACCTCTCTCTCTCTCTCTCT	376	ACCTCTCTCTCTCTCTCTCT
QY	436	TTGGGAAATTTTGTGTAAG	436	TTGGGAAATTTTGTGTAAG
DB	336	TTGGGAAATTTTGTGTAAG	436	TTGGGAAATTTTGTGTAAG
QY	496	TTCTCATCTCTGCGCTTC	496	TTCTCATCTCTGCGCTTC
DB	396	TTCTCATCTCTGCGCTTC	496	TTCTCATCTCTGCGCTTC
QY	556	GTCAAGGCCAAGAACTCTG	556	GTCAAGGCCAAGAACTCTG
DB	456	GTCAAGGCCAAGAACTCTG	556	GTCAAGGCCAAGAACTCTG
QY	616	CCCTCTCTCTGACATAT	616	CCCTCTCTCTGACATAT
DB	516	CCCTCTCTCTGACATAT	616	CCCTCTCTCTGACATAT
QY	676	AGGGGATGACAGATACAT	676	AGGGGATGACAGATACAT
DB	576	AGGGGATGACAGATACAT	676	AGGGGATGACAGATACAT
QY	736	TTCAATTCAGCATATAT	736	TTCAATTCAGCATATAT
DB	636	TTCAATTCAGCATATAT	736	TTCAATTCAGCATATAT
QY	796	ACTGCATCATCTCTAAG	796	ACTGCATCATCTCTAAG
DB	696	ACTGCATCATCTCTAAG	796	ACTGCATCATCTCTAAG
QY	856	AGACGACAGTCATCTCT	856	AGACGACAGTCATCTCT
DB	756	AGACGACAGTCATCTCT	856	AGACGACAGTCATCTCT
QY	916	TCAGCATCGATCTCTCT	916	TCAGCATCGATCTCTCT
DB	816	TCAGCATCGATCTCTCT	916	TCAGCATCGATCTCTCT

QY	976	TTGTGCAAGTGGATCTCCAT	976	TTGTGCAAGTGGATCTCCAT
DB	861	CTGTGCAAGTGGATTTCCAT	976	TTGTGCAAGTGGATCTCCAT
QY	1036	CCATCTCTATGCTTCTCGG	1036	CCATCTCTATGCTTCTCGG
DB	921	CCATCTCTATGCTTCTCGG	1036	CCATCTCTATGCTTCTCGG
QY	1096	CCATGACGAGGCTCCAGCT	1096	CCATGACGAGGCTCCAGCT
DB	981	CTGTGACGAGGCTCCAGCT	1096	CCATGACGAGGCTCCAGCT
QY	1156	CGCTCTCCACGGAGTCAG	1156	CGCTCTCCACGGAGTCAG
DB	1041	CTGTTCCTCACTGAGTCT	1156	CGCTCTCCACGGAGTCAG
QY	1216	TATATAATATATATATAT	1216	TATATAATATATATATAT
DB	1097	---AGACTTTTATACGATA	1216	TATATAATATATATATAT
QY	1276	AAGAGACTGACGAGTCTG	1276	AAGAGACTGACGAGTCTG
DB	1154	AAAAGACTGACCAATAT	1276	AAGAGACTGACGAGTCTG
QY	1336	GTTCCTCTAGT 1346	1336	GTTCCTCTAGT 1346
DB	1214	TTAGTTTGT 1224	1336	GTTCCTCTAGT 1346

RESULT 9
 US-10-955-054A-121
 ; Sequence 121, Application US/10955054A
 ; Publication No. US20050266420A1
 ; GENERAL INFORMATION:
 ; APPLICANT: PUSZTAI, LAJOS
 ; APPLICANT: SYMMANS, W. FRASER
 ; APPLICANT: HESS, KENNETH R.
 ; APPLICANT: AYERS, MARK
 ; APPLICANT: STEC, JAMES
 ; TITLE OF INVENTION: MULTIGENE PREDICTORS OF RESPONSE TO CHEMOTHERAPY
 ; FILE REFERENCE: UTXC:880US
 ; CURRENT APPLICATION NUMBER: US/10/955,054A
 ; CURRENT FILING DATE: 2004-09-30
 ; NUMBER OF SEQ ID NOS: 195
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 121
 ; LENGTH: 1102
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-955-054A-121

Query Match 43.0%; Score 808; DB 6; Length 1102;
 Best Local Similarity 85.9%; Pred. No. 4e-146;
 Matches 914; Conservative 0; Mismatches 135; Indels 15; Gaps 1;

QY	136	TGAGTATATACACTCTCTG	136	TGAGTATATACACTCTCTG
DB	54	TCAGTATATACACTTCAG	136	TGAGTATATACACTCTCTG
QY	196	ACAAGAACCTCTCTCGG	196	ACAAGAACCTCTCTCGG
DB	114	TGAAGAACCTCTCTCGG	196	ACAAGAACCTCTCTCGG
QY	256	TCTACTTCATCATCTTCT	256	TCTACTTCATCATCTTCT
DB	174	TCTACTTCATCATCTTCT	256	TCTACTTCATCATCTTCT
QY	316	GTTCACAGAACCTCTCT	316	GTTCACAGAACCTCTCT
DB	234	GTTCACAGAACCTCTCT	316	GTTCACAGAACCTCTCT
QY	376	ACCTCTCTCTCTCTCT	376	ACCTCTCTCTCTCTCT
DB	293	ACCTCTCTCTCTCTCT	376	ACCTCTCTCTCTCTCT

294	Db	ACCTCCTCTTTGTGCATCAGCGTTCCCTTTCTGGCGAGTTGATGCGCGTGGCAAACTGGTACT	353
436	Qy	TTGGGAAATTTTGTGTAAGGCTGTCCATATCATCTACACTGTCAAACCTCTACAGCAGCG	495
354	Db	TTGGGAACCTTCCTATGCAAGGCACTCCATGTCACTACACAGTCAAACCTCTACAGCAGTG	413
496	Qy	TTCTCATCTCTGGCCTTCATCAGCCTGGAACGGTACCTTGGCCATTTGTCCAGGCCAACCA	555
414	Db	TCCTCATCTGGCCTTCATCAGTCTGGACCGCTACCTGGCCATTTGTCCAGGCCAACCA	473
556	Qy	GTCAAAGGCCAAGAAACTGCTGCTGAAAGAGGCACTATGTGGGGCTGTGGATCCAG	615
474	Db	GTCAAGAGGCCAAGAAAGCTGTGGCTGAAAGGTGGTCTATGTGTGGGCTGTGGATCCCTG	533
616	Qy	CCCTCCTCTGACTATACCTGACTTCATCTTTGCCGACGTCAGCCAGGGGGACATCAGTC	675
534	Db	CCCTCCTCTGACTATTTCCCGACTTCATCTTTGCCAACG-----TCAGTG	578
676	Qy	AGGGGATGACAGGTACATCTGTGACCGCCTTTACCCCGATAGACTCTGTGGATGGTGTGT	735
579	Db	AGGCAGATGACAGATATATCTGTACCGCTTCTAACCCCAATGACTTGTGGGTGGTGTGT	638
736	Qy	TTCAAATCCAGCATATAATGGTGGGTCTCATCTCTGCCGGCATCGTCACTCTCTCTCTTT	795
639	Db	TCCAGTTTCAGCACATCATGGTTGGCCTTATCTGCTGCTGGTATGTGTATCTGTCTCTGCT	698
796	Qy	ACTGCATCATCATCTPAAGCTGTCACTCCAAAGGCCACCAAGAGCGCAAGGCCCTCA	855
699	Db	ATTGCATTATCATCTCAAAGCTGTCACTCCAAAGGCCACCAAGAGCGCAAGGCCCTCA	758
856	Qy	AGACGACAGTCATCCTCATCTAGCTTTCTTTGGCTCTGCTGCTGCCATATATGTGGGGA	915
759	Db	AGACCAATCATCCCATCTGGCTTTCTTGGCTGTGGCTGCTTACTACATTTGGGA	818
916	Qy	TCGACATCGACTCTTCATCTTTGGGAGTTCATCAAGCAAGGATGTGACTTCGAGAGCA	975
819	Db	TCGACATCGACTCTCTTCATCTCTCGAAATCATCAAGCAAGGCTGTGAGTTTGAGAAC	878
976	Qy	TTGTGCAAAAGTGGATCTCCATCACAGAGGCCCTCGCTTCTTCCACTGTGTGCTCGAAC	1035
879	Db	CTGTGCACAAAGTGGATTTCCATCACAGAGGCCCTAGCTTTCTTCCACTGTGTGTGTAAC	938
1036	Qy	CCATCTCTATGCCCTTCTCGGGGCCAAGTTCAAAGCTCTGCCCAGCATGCACTCAACT	1095
939	Db	CCATCTCTATGCTTTCTTTGGAGCCAAATTTAAACCTCTGCCCCAGCAGCACTCACT	998
1096	Qy	CCATGACGAGGCTCCAGGCTCAAGATCTTTTCCAAAGGAAAGCGGGGTGGACACTCTT	1155
999	Db	CTGTGACGAGGGTCCAGGCTCAAGATCCTCTCCAAAGGAAAGCGAGGTGGACATTCAT	1058
1156	Qy	CCGTCTCCAGGAGTCAGATCTCTCAGTTTTTCACTCCAGCTAA	1199
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RESULT 10
US-11-121-086-8
; Sequence 8, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138.6000-00000
; CURRENT APPLICATION NUMBER: US/11/121.086
; CURRENT FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567,570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 8
; LENGTH: 246960
; TYPE: DNA

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; ORGANISM: Homo sapiens
US-11-121-086-8

Query Match          10.6%;   Score 198.4;   DB 7;   Length 246960;
Best Local Similarity 53.8%;   Pred. No. 1.7e-28;
Matches 456;   Conservative 0;   Mismatches 386;   Indels 6;   Gaps 2;

Qy      231  TTCAATAGGATCTTCCTGCGCCACCATCTACTCTTCATCATCTCTTCTTGACTGGCATAGTCGCG 290
Db      120644  TTTCAAGCCCGTGTTCGTGCCGTGCGCCTACAGCCTCATCTTCTCTCTGGGGTGATCGCG 120703

Qy      291  AATGGATTGGTGATCCTGGTCATGGGTTTACAGAAGAGCTTAAGGAGCATGACGACACAAG 350
Db      120704  AACGTCCTGGTGCTGGTGATCTCTGGAGCGGCACCGCGCAGACACGAGTTCCACGCGAGACC 120763

Qy      351  TACCGGCTGCACCTGTCCAGTGGCTGACCTCCTCTTTGTTCATCACACTCCCTTCTTGGGCA 410
Db      120764  TTCTGTTCACCTGGCGGTGGCCGACCTCTCTGCTGGTCTTCATCTTGCCTTTGCCGCTG 120823

Qy      411  GTTGATGCCATGGCTGACTGGTACTTTTGGGAAATTTTTGTGTAAAGGCTGTCCATATCATC 470
Db      120824  GCCAGGGCTCTGTGGGCTGGTCTCTGGGACCTTCCTCTGCAAACTGTGATTGCCCTG 120883

Qy      471  TACACTGTCAACCTCTACAGCAGGTTCTCATCTCTGGCCTTCATCAGCCTGACCGGTAC 530
Db      120884  CACAAAGTCAACTTCTACTGCGAGCAGCTGTCTCTGGCTGCATCGCGTGGACCGCTAC 120943

Qy      531  CTGCCATTGTCCAGCGCCACCAACAGTCAAGGCGCAAGGAACTGCTGGCTGMAAAGCA 590
Db      120944  CTGGCCATTGTCCAGCGCGTCCATGCGCTACGCGCACGCCGCTCTCTCCATCCACATC 121003

Qy      591  GTCTATGTGGGCGTCTGGATCCCAAGCCCTCCTCTCTGACTATACCTGACTTCATCTTTGCC 650
Db      121004  ACCTGTGGGACCATCTGCTGGTGGCTTCTCTCTTGCCTTTGCCAGAGATTCCTCTTGCC 121063

Qy      651  GAGCTCAGCGGGGGACATCAGTCAAGGGGATGACAGTACATCTGTGACGCGCTTTAC 710
Db      121064  AAAGTCAGCCAAAGGCCATCAACAACCTCCCTGCGCAGCTTGTCACCTTCTCCCAAGAGAAC 121123

Qy      711  C---CCGATAGCCTGTGATGGTGGTGTTCATTTCCAGCATATAATGGTGGGTCTCATC 767
Db      121124  CAAGCAAGAACGCAATGCTGTTTCACTCCGATTTCTCTACCATGTGGCGGATTCCTG 121183

Qy      768  CTGCGCGGCATCGTCATCCTCTCTCTGTGTAGTCATCATCTCTTAAGCTGTCACTCC 827
Db      121184  CTGCCCATGCTGGTGATGGGCTGGTGTACGTGGGGGTAGTGCACAGTTGGCGCAGGCC 121243

Qy      828  AA---GGGCCACAGAAAGCGCAGGCCCTTCAAGACGACAGTCACTCTCATCTAGCTTTTC 884
Db      121244  CAGCGCGCCCTCAGCGGCAGAGGCGAGTCAGGGTGGCCATCTCTGGTGACAAGCATCTTC 121303

Qy      885  TTTGCTGCTGGCTGCCATATTATGTGGGATCAGCATCGACTCCTTCATCTTTTGGGA 944
Db      121304  TTCTCTGTGGTCACTCCATCCACATCGTCATCTTCCTGGACACCCCTGGCGAGGCTGAAG 121363

Qy      945  GTCATCAAGCAAGGATGTGACTTCGAGAGCATTTGCAAGTGGATCTCCATCACAGAG 1004
Db      121364  GCGTGAACAATACCTGCAAGCTGAATGGCTCTCTCCCGTGGCCATCACCATGTGTGAG 121423

Qy      1005  GCCTCGCCTTCTTCCACTGTGCTGAACCCCATCTCTATAGCTTCTCTCGGGGCCAAG 1064
Db      121424  TTCTGGGCTGGGCCACTGTGCTCAACCCCATGCTCTACACTTTGCGCGGGGTGAAG 121483

Qy      1065  TTCMAAAG 1072
Db      121484  TTCGCAG 121491

RESULT 11
US-11-136-527-153
; Sequence 153, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:

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; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 153
; LENGTH: 1680
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; US-11-136-527-153

Query Match          9.4%   Score 176.4;   DB 7;   Length 1680;
Best Local Similarity 50.2%; Pred. No. 6.3e-25;
Matches 457; Conservative 5; Mismatches 436; Indels 12; Gaps 1

Qy 161 CTCTGAAGAAGTGGGGTCTGGAGACTATGACTCCACAAGGAACCCCTGCTTCGGGGATGA 220
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 226 CTACGATTATGGGGAARAAARMAWMTCTGACTCCCGCCCTGCCACAGAGACTT 285

Qy 221 AAAGCTCCATTCAATAGGATCTTCTCTGCCCAACCATCTACTTCAATCATCTTCTTGACTGG 280
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 286 CAGCCTGAACCTTTGACAGAAACCTTCTCTGCCAGCTCTCTACAGCCTCTCTTTTGTCTGGG 345

Qy 281 CATAGTCGGCAATGGATTGTGTGATCTCTGTGTCATCGGTTTACCAGAAGACTAAGGAGCAT 340
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 346 GCTGCTAGGCAATGGGGCAGTGGCTGTGTCTACTGACGACAGCGCACTGCCCTGAGCAG 405

Qy 341 GAGCGCAACAGTACCGGTGACACCTGTCTCAGTGGGTGACTCTCTCTTTGTCAATCACTCCC 400
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 406 CACAGACACCTTCTCTGCTCCACCTGGCTGTGGCCGATGACTGCTGATCTAATCCCTCCC 465

Qy 401 CTTCTGGGCAAGTTGATGCCATGGCTGATCGGTACTTTTGGGAAATTTTGTGTAAAGGCTGT 460
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 466 ACTGTGGGCAGTAGATGCTCTGTGCCAGTGGGTTTTCGGCTCTGTCTCTGCAAAAGTGGC 525

Qy 461 CCATATCATCTACACTGTCAACCTCTACAGCAGGTTTCTCATCTGGGCCCTTCATCAGCCT 520
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 526 AGTGTCCCTCTTCAACATCACTTCTACGAGGGGCCCTTCTGTGGCCCTGTATAGCTT 585

Qy 521 GGACCGGTACTCTGCCATTGTCCACGCCACCAACAGTCAAAAGGCCAAGAAACTGTCTGGC 580
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 586 TGACCCGCTACCTGAGCATAGTGATGATGCCACCCAGATCTACCGCAGGAGACCCCTGGGTACG 645

Qy 581 TGAAGAGCAGTCTATGTGGGGCTGTGGATCCAGCCCTCTCTCTGTGATATACCTGACTT 640
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 646 TGTAGCCCTCACCTGCATTTGTGTGGGGTCTCTGTGTGCTCTTTTGGCCCTCCCAAGATTT 705

Qy 641 CATCTTTGCCGAGCTACAGCCAGGGGACATCAGTCAGGGGGATGACAGGTACATCTGTGA 700
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Db 706 CATCTTCTCTGACGCAAGCCA-----TGATCAGGCCCTCAATGCCACCCATTTG 753

Qy 701 CCGCCTTTTACCCCGATAGCCCTGTGGATGGTGGTGTCTTCAATTCAGCATATAATGTGGGG 760
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 754 CCAGTACAACTTCCCAAGGTGGTCCGACTGCTCTCGGTGACTGCAGCTAGTGGCTGG 813

Qy 761 TCTCATCTCTGCCGGCATTCGTATCTCTCTCTGTGTACTGCATCATCATCTCTAAGCTGTCT 820
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 814 TTTCTGTGATGCCCTTCTAGTCTATGGGCTACTGTCTATGCCCATATCTGGCTGTGTGCT 873

Qy 821 ACACTCAAGGGCCACCAGAAGCGCAGGCCCTTCAAGACGACGATCATCTCATCTCTAGC 880
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Db 874 GGTCTCCAGAGGCCAGAGGCGCTTTTCAGCTATAGAGGCTATAGTGTGGTGGTGTGGTGGC 933

Qy 881 TTTCTTTTGGCTGTGGCTGCCATATTAATGTGGGGATCAGCATCGACTCTTCTATCTCTTTT 940
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Db 934 CTTTGGCGTCTGTGGACCCCTATACCTTGGTGGTGTAGTGGATATCTTATGGACGT 993

Qy 941 GGGAGTCAACGACGAGATGTGACTTTCGAGAGCATTTGTGCACAGTGGATCTCCATCAC 1000
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Db      994  GGGAGTTTTGGCCCGCAACTGTGGTCAGAAAGCCATGTGACGTACCCCAAGTCAGTCAC 1053
Qy      1001  AGAGGCCCTCGCCCTTCTTCCACTGTGGCTTGAACCCCATCCTCTATGCTTCCTCGGGGC 1060
Db      1054  CTCAGGCGATGGGCTTACATGCACGTGCTGCCTCAATCCACTGCTCTATGCTTTGTGGAGT 1113
Qy      1061  CRAAGTTCAA 1070
Db      1114  GAAATTCAA 1123

RESULT 12
US-11-136-527-2373
; Sequence 2373, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2373
; LENGTH: 1324
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-11-136-527-2373

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Query Match	9.3%	Score 175;	DB 7;	Length 1324;				
Best Local Similarity	52.2%;	Pred. No. 1.le-24;						
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Db	255	AACCTAGATAT	CAACAGGTATG	CTGTGGTTGT	CATATACGTTCT	GTGTGACTT	TGCTGAGT	314
Qy	282	ATAGTCGGCAAT	TGGATTGGTGAT	CTCTGGTCATG	TGGGTTTACCAGAAAG	CTAAGGAGCATG	341	
Db	315	CTCGTGGGAACT	CCCTGGTGAT	CTGGTCATCTT	TGTAACAATCA	AGCACCTGCT	CTCTGTT	374
Qy	342	ACGGAAGAAT	TACGGGCTGC	ACTGTCACTGT	CACTGCTCTCTT	TGTATCACA	CACTCCCC	401
Db	375	ACCGACGTC	TACCTGCTGA	ACCTGGCCAT	TGCTGATCTGT	TCTTTGGCCCT	GAACCTTGCC	434
Qy	402	TTCTGGGCACT	TGATGCCATG	CGGCTGAC	TGCTGACTTTT	TGGGAAATTTT	TGTGAAGGCTG	461
Db	435	GTCGTGGGCT	GCATCTAAAG	TAAATGGATGGA	TTTTTGGCTCAT	TCTGTGCA	AGGATATC	494
Qy	462	CATATCATCT	TACACTGTCA	CAACCTCT	CACAGAGCGT	TCTCATCTCG	GGCTTCATCAG	521
Db	495	TCGTTCTCTG	CAGGAGATTAC	CTTCTACAG	CAGTGTCTGT	TGTGTAGCT	TGCATCAG	554
Qy	522	GACCGGTAC	CTCGCATTTG	CCAGGCCAC	CAACAGTCA	AAAGGCCA	AGAACTCTG	581
Db	555	GACCGGTAC	CTCGGCATCG	TCCAGGCC	CACAAGTACA	CTGATCC	CAGAAAGAC	611
Qy	582	GAAAGGCAG	CTATGTGGG	GGTCTG	ATCCAGCCCT	CTCTGTG	ACTATACCTG	641
Db	612	GTCAAAGTT	TGTGTGCAT	CAACATGT	GGTGTCTCT	CACTAGT	TTCCTG	671
Qy	642	ATCTTTGCC	ACGCTCAG	CCAGGGGGA	CATCAGT	CAGGGGGA	TGACAGGTACA	701
Db	672	ATTTCTCGG	ACTACTGT	TAAAGCAAC	CCCTTCA	CCGTAGT	CTGCTATG	731
Qy	702	CGCCTTTAC	CCCCGATAG	CCGTGTG	AGTGGTGT	TTCAAAT	TCCAGCATAT	761
Db	732	AATAATACAT	CCAA-----	GTGAGGGT	GGTATCTG	GGCATCTCT	GGCTCAG	785

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GenCore version 5.1.6
Copyright (c) 1993 - 2006 Compugen Ltd.

OM protein - nucleic search, using frame_plus_p2n model

Run on: January 10, 2006, 20:54:02 ; Search time 285 Seconds
(without alignments)
2239.104 Million cell updates/sec

Title: US-09-367-052-2

Perfect score: 1867

Sequence: 1 MEFISVSIYTSNDYSEVGS.....KRGCHSSVSTESSSFHSS 359

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Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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8: /cgn2_6/ptodata/1/ina/RE COMB.seq.*
9: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	1678.5	89.9	1059	3	US-09-647-501-1
2	1678.5	89.9	1225	3	US-09-016-434-1235
3	1678.5	89.9	1664	3	US-09-582-2244-5
4	1678.5	89.9	1664	3	US-09-023-655-1213
5	1678.5	89.9	1679	3	US-09-517-605-14
6	1678.5	89.9	1679	3	US-08-202-056-4
7	1678.5	89.9	1737	2	US-08-076-093A-3
8	1678.5	89.9	1737	2	US-08-701-265-3
9	1678.5	89.9	1737	2	US-08-284-586-3

10	1678.5	89.9	1737	2	US-08-805-478-3	Sequence 3, Appl1
11	1678.5	89.9	1737	2	US-08-802-627A-3	Sequence 3, Appl1
12	1678.5	89.9	1737	2	US-08-801-238-3	Sequence 3, Appl1
13	1678.5	89.9	1737	2	US-08-801-228-3	Sequence 3, Appl1
14	1678.5	89.9	1737	3	US-09-104-296-3	Sequence 3, Appl1
15	1678.5	89.9	1737	6	PCT-US94-06380-2	Sequence 2, Appl1
16	1672.5	89.6	1059	3	US-09-826-509-484	Sequence 484, App
17	1672.5	89.6	1317	2	US-08-153-848-45	Sequence 45, Appl
18	1672.5	89.6	1317	3	US-09-299-843A-45	Sequence 45, Appl
19	1672.5	89.6	1317	3	US-09-088-337B-45	Sequence 45, Appl
20	1672.5	89.6	1317	6	PCT-US93-11153-45	Sequence 19, Appl
21	584	31.3	1107	3	US-09-170-496D-19	Sequence 19, Appl
22	584	31.3	1293	3	US-09-016-434-1052	Sequence 1052, Ap
23	584	31.3	1670	3	US-08-709-838-1	Sequence 1, Appl1
24	584	31.3	1670	3	US-08-829-839-1	Sequence 1, Appl1
25	584	31.3	1670	3	US-09-023-655-980	Sequence 980, App
26	584	31.3	1670	3	US-09-624-594-1	Sequence 1, Appl1
27	584	31.3	1670	3	US-09-607-156-1	Sequence 1, Appl1
28	580	31.1	1107	3	US-09-170-496D-173	Sequence 173, App
29	570.5	30.6	1607	3	US-08-875-573-19	Sequence 19, Appl
30	570.5	30.6	1607	3	US-09-764-413-19	Sequence 19, Appl
31	570.5	30.6	1677	3	US-08-939-107-33	Sequence 33, Appl
32	570.5	30.6	1677	3	US-09-016-434-1117	Sequence 1117, Ap
33	570.5	30.6	1677	3	US-09-023-655-933	Sequence 933, App
34	570.5	30.6	1677	3	US-09-067-447B-33	Sequence 33, Appl
35	570.5	30.6	1677	3	US-09-837-446-1	Sequence 1, Appl1
36	570.5	30.6	1695	3	US-09-232-878-1	Sequence 1, Appl1
37	551.5	29.5	1200	6	PCT-US95-03032-1	Sequence 1, Appl1
38	550.5	29.5	1106	6	PCT-US92-02977-5	Sequence 5, Appl1
39	550.5	29.5	1106	6	PCT-US95-03032-4	Sequence 4, Appl1
40	550.5	29.5	2085	3	US-09-299-843A-65	Sequence 65, Appl
41	550.5	29.5	2085	3	US-09-088-337B-65	Sequence 65, Appl
42	546	29.2	440	3	US-09-513-999C-1915	Sequence 1915, Ap
43	544.5	29.2	1373	6	PCT-US92-02977-6	Sequence 6, Appl1
44	544.5	29.2	1373	6	PCT-US95-03032-3	Sequence 3, Appl1
45	544.5	29.2	1510	2	US-07-759-568-4	Sequence 4, Appl1

ALIGNMENTS

RESULT 1

US-09-647-501-1
; Sequence 1, Application US/09647501

; Patent No. 6863887
; GENERAL INFORMATION:
; APPLICANT: No. 6863887thwest Biotherapeutics, Inc.
; APPLICANT: Murphy, Gerald P.
; APPLICANT: Boynton, Alton L.
; APPLICANT: Sehgal, Anil

; TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC APPLICATIONS BASED ON THE
; FILE REFERENCE: 20093-000600PC
; CURRENT APPLICATION NUMBER: US/09/647,501
; CURRENT FILING DATE: 2000-09-24
; PRIOR APPLICATION NUMBER: 60/079,916
; PRIOR FILING DATE: 1998-03-30
; PRIOR APPLICATION NUMBER: 60/104,656
; PRIOR FILING DATE: 1998-10-16
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1059
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-647-501-1

Alignment Scores:
Pred. No.: 4.56e-189 Length: 1059
Score: 1678.5 Matches: 319
Percent Similarity: 95.48% Conservative: 19
Best Local Similarity: 90.11% Mismatches: 11
Query Match: 89.90% Indels: 5
DB: 3 Gaps: 1


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Db 275 GACCTCTCTTGTGTCATCAGCTTCCCTTCTGGCAGTGTGATCGCGTGGCAACTGGTAC 334
Qy 106 PheGlyLysPheLeuCysLysAlaValHisIleLeuTyrThrValAsnLeuTyrSer 125
Db 335 TTTGGGAACCTTCTATGCAAGGAGTCCATGTCATCTACACAGTCAACCTCTACAGCAGT 394
Qy 126 ValLeuLeuAlaPheIleSerLeuAspArgTyrLeuAlaIleValHisAlaThrAsn 145
Db 395 GTCTCATCTCTGCGCTTCATCAGTCTGGACCGTACTCGGCCATCGTCCAGCCCAAC 454
Qy 146 SerGlnArgProArgLysLeuLeuAlaGluLysAlaValTyrValGlyValTrpIlePro 165
Db 455 AGTCAGAGGCCAAGGAAGCTGTGGCTGAAAGGTGCTATGTGTGGCGTCTGATCCCT 514
Qy 166 AlaLeuLeuLeuThrIleProAspPheIlePheAlaAspValSerGlnGlyAspIleSer 185
Db 515 GCCCTCTCTGCTGACTATTCCTCGACTTCATCTTGGCCAAACGTC-----AGT 559
Qy 186 GlnGlyAspAspArgTyrIleCysAspArgLeuTyrProAspSerLeuTrpMetValVal 205
Db 560 GAGCGAGATGACAGATATATCTGTGACCGCTTCTACCCCAATGACTGTGGGGTGTGTG 619
Qy 206 PheGlnPheGlnHisIleMetValGlyLeuIleLeuProGlyIleValIleLeuSerCys 225
Db 620 TTCCAGTTTCAGACATCATGTTGGCTTATCTGCTGATGATGTCATCTGCTCTG 679
Qy 226 TyrCysIleIleIleSerLysLeuSerHisSerLysGlyHisGlnLysArgLysAlaLeu 245
Db 680 TATTGCAATTATCATCTCCAAAGTGTCCACTCCAGGGCCACCAGAGCGCAAGGCCCTC 739
Qy 246 LysThrThrValIleLeuIleAlaPhePheAlaCysTrpLeuProTyrTyrValGly 265
Db 740 AAGACACAGTATCATCTCTGCTGCTTCTTCCCTGTGGCTGTGCTTACTACATTGG 799
Qy 266 IleSerIleAspSerPheIleLeuLeuGlyValIleLysGlnGlyCysAspPheGluSer 285
Db 800 ATCAGCATCGACTCTCTCTCTCGGAATCATCCAGCAAGGTGTGATTTGAGAAC 859
Qy 286 IleValHisLysTrpIleSerIleThrGluAlaLeuAlaPhePheHisCysLysLeuAsn 305
Db 860 ACTGTGCACAAGTGGATTTCCATCACGAGGCCCTAGCTTCTTCCACTGTGTCTGAAC 919
Qy 306 ProIleLeuTyrAlaPheLeuGlyAlaLysPheLysSerSerAlaGlnHisAlaLeuAsn 325
Db 920 CCATCTCTATGCTTTCTTGGAGCAAAATTTAAACCTCTGCCCCAGCAGCACTCACC 979
Qy 326 SerMetSerArgGlySerSerLeuLysIleLeuSerLysGlyLysArgGlyGlyHisSer 345
Db 980 TCTGTGAGCAGAGGTCAGCTCAGATCTCTCCAAAGGAAGCGAGGTGAGCATTTCA 1039
Qy 346 SerValSerThrGluSerGluSerSerPheHisSerSer 359
Db 1040 TCTGTTTCCACTGAGTCTGAGTCTTCAAGTTTTCCTCCAGC 1081
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RESULT 3

US-09-582-224A-5

; Sequence 5, Application US/09582224A

; Patent No. 6429308

; GENERAL INFORMATION:

; APPLICANT: IJIMA, Osamu

; APPLICANT: GOTO, Takeshi

; APPLICANT: SHIMADA, Takashi

; TITLE OF INVENTION: HIV Infection Inhibitors

; FILE REFERENCE:

; CURRENT APPLICATION NUMBER: US/09/582,224A

; PRIOR FILING DATE: 2000-07-21

; PRIOR APPLICATION NUMBER: PCT/JP99/06534

; PRIOR FILING DATE: 1999/11/24

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; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: Microsoft Word
; SEQ ID NO 5
; LENGTH: 1664
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: cDNA of CXCR4
US-09-582-224A-5
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Alignment Scores:

Prod. No.:	9,01e-189	Length:	1664
Score:	1678.50	Matches:	319
Percent Similarity:	95.48%	Conservative:	19
Best Local Similarity:	90.11%	Mismatches:	11
Query Match:	89.90%	Indels:	5
DB:	3	Gaps:	1

US-09-367-052-2 (1-359) x US-09-582-224A-5 (1-1664)

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Qy 6 ValSerIleTyrThrSerAspAsnTyrSerGluGluValGlySerGlyAspTyrAspSer 25
Db 86 ATCAGTATATACACTTCAGATACTACCGAGGAAATGGGCTCAGGGACTATGACTCC 145
Qy 26 AsnLysGluProCysPheArgAspGluAsnValHisPheAsnArgIlePheLeuProThr 45
Db 146 ATGAAGGAACCCCTGTTTCCGTGAAGAAATGCTAATTTCAATAAAATCTTCTGCCACC 205
Qy 46 IleTyrPheIleIlePheLeuThrGlyIleValGlyAsnGlyLeuValIleLeuValMet 65
Db 206 ATCTACTCCTCATCTTCTTAATCTGCATTTGGGCAATGGATTGTCATCTCTGTCATG 265
Qy 66 GlyTyrGlnLysLysLeuArgSerMetThrAspLysTyrArgLeuHisLeuSerValAla 85
Db 266 GGTACCAGAGAAACTGAGAGCATGACGGAACAGTACAGGCTGCACCTGTCAAGTGCC 325
Qy 86 AspLeuLeuPheValIleThrLeuProPheTrpAlaValAspAlaMetAlaAspTrpTyr 105
Db 326 GACCTCTCTTGTGTCATCAGCTTCCCTTCTGGGCAATGGATTGTCATCTCTGCTGATC 385
Qy 106 PheGlyLysPheLeuCysLysAlaValHisIleIleTyrThrValAsnLeuTyrSerSer 125
Db 386 TTTGGGAACCTTCTATGCAAGGAGTCCATGTCATCTACAGTCAACCTCTACAGCAGT 445
Qy 126 ValLeuIleLeuAlaPheIleSerLeuAspArgTyrLeuAlaIleValHisAlaThrAsn 145
Db 446 GTCTCATCTCTGCGCTTTCATCAGTCTGGACCGCTACTCGGCCATCGTCCAGCGCCAAC 505
Qy 146 SerGlnArgProArgLysLeuLeuAlaGluLysAlaValTyrValGlyValTrpIlePro 165
Db 506 AGTCAGAGGCCAAGGAAGCTGTGGCTGAAAGGTGCTCTATGTTGGCGTCTGATCCCT 565
Qy 166 AlaLeuLeuLeuThrIleProAspPheIlePheAlaAspValSerGlnGlyAspIleSer 185
Db 566 GCCCTCTCTGACTATCTCCGACTTCATCTTTCACCAAGTC-----AGT 610
Qy 186 GlnGlyAspAspArgTyrIleCysAspArgLeuTyrProAspSerLeuTrpMetValVal 205
Db 611 GAGGCAGATGACAGATATATCTGTGACCGCTTCTACCCCAATGACTGTGGGGTGTGTG 670
Qy 206 PheGlnPheGlnHisIleMetValGlyLeuIleLeuProGlyIleValIleLeuSerCys 225
Db 671 TTCCAGTTTTCAGCACATCATGTTGGCTTATCTCTGCTGATTTGTCATCTCTGCTGTC 730
Qy 226 TyrCysIleIleIleSerLysLeuSerHisSerLysGlyHisGlnLysArgLysAlaLeu 245
Db 731 TATTGCAATTATCATCTCCAAAGTGTCCAACTCCAGGGCCACCAGAGCGCAAGGCCCTC 790
Qy 246 LysThrThrValIleLeuIleLeuAlaPhePheAlaCysTrpLeuProTyrTyrValGly 265
Db 791 AAGACACAGTATCTCTCTGCTGCTTCTTCCGCTGTGGCTGCTTACTACTACATTGG 850
Qy 266 IleSerIleAspSerPheIleLeuLeuGlyValIleLysGlnGlyCysAspPheGluSer 285
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Qy 346 SerValSerThrGluSerGluSerSerPheHisSerSer 359
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 Db 1091 TCTGTTTCCACTGAGTCTGAGTCTTCAAGTTTTCACCTCCAGC 1132

RESULT 5

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US-09-517-605-14
; Sequence 14, Application US/09517605
; Patent No. 6391567
; GENERAL INFORMATION:
; APPLICANT: Littman, Dan R.
; APPLICANT: Kwon, Douglas S.
; APPLICANT: van Kooyk, Yvette
; APPLICANT: Geijtenbeck, Theo
; TITLE OF INVENTION: METHODS OF USING A FACILITATOR OF RETROVIRAL ENTRY INTO
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 1049-1-017
; CURRENT APPLICATION NUMBER: US/09/517,605
; CURRENT FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 14
; LENGTH: 1679
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-517-605-14

Alignment Scores:
Pred. No.: 9.13e-189 Length: 1679
Score: 1678.50 Matches: 319
Percent Similarity: 95.48% Conservative: 19
Best Local Similarity: 90.11% Mismatches: 11
Query Match: 89.90% Indels: 5
DB: 3 Gaps: 1

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INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:
 LENGTH: 1737 bases
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-08-202-056-4

Alignment Scores:
 Pred. No.: 9,61e-189 Length: 1737
 Score: 1678.50 Matches: 319
 Percent Similarity: 95.48% Conservative: 19
 Best Local Similarity: 90.11% Mismatches: 11
 Query Match: 89.90% Indels: 5
 DB: 2 Gaps: 1

US-09-367-052-2 (1-359) x US-08-202-056-4 (1-1737)

```

QY 6 ValSerIleTyrThrSerAspAenTyrSerGluGluValGlySerGlyAspTyrAspSer 25
   ::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
Db 100 ATCAGTATATACATCTTACAGTATACATACAGGAGAAATGGCTCAGGGGACTATGACTCC 159

QY 26 AsnLysGluProCysPheArgAspGluAsnValHisPheAsnArgIlePheLeuProThr 45
   ::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
Db 160 ATGAGGAAACCCCTGTTCCGTGAAGAAATGCTAAATTTCAATAAAATCTTCTGCGCCACC 219

QY 46 IleTyrPheIleIlePheLeuThrGlyIleValGlyAsnGlyLeuValIleLeuValMet 65
   ::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
Db 220 ATCTACTCATCATCTTCTTAATCTGGCATTTGGGCAATGGATGGTGCATCTCGGTGCATG 279

QY 66 GlyTyrGlnLysLysLeuArgSerMetThrAspLysTyrArgLeuHisLeuSerValAla 85
   ::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
Db 280 GGTATACAGAGAAATGAGACATGACGACAGTACAGGCTGACCTGTCAGTGGCC 339

QY 86 AspLeuLeuPheValIleThrLeuProPheTTPAlaValAspAlaMetAlaAspTyrTyr 105
   ::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
Db 340 GACCTCTCTTGTGTCATCAGCTTCCCTCTTGGGCGAGTTGATGCCGTGGCAAACTGGTAC 399

QY 106 PheGlyLysPheLeuCysLysAlaValHisIleIleTyrThrValAsnLeuTyrSerSer 125
   ::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
Db 400 TTGGGAACCTTCTATGCAAGGAGCTGTCATCTACACAGTCAACCTCTACACAGCT 459

QY 126 ValLeuLeuAlaPheIleSerLeuAspArgTyrLeuAlaIleValHisAlaThrAsn 145
   ::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
Db 460 GTCTCTCATCTGCGCTTTCATCATCTGACCGTACTCTGCGCATCTGCCAGCCACCCAC 519

QY 146 SerGlnArgProArgLysLeuLeuAlaGluLysAlaValTyrValGlyValTyrIlePro 165
   ::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
Db 520 AGTCAGAGGCCAAGGAAGCTGTTGGCTGAAAGGTGCTCTATGTTGGCGTCTGGATCCCT 579

QY 166 AlaLeuLeuLeuThrIleProAspPheIlePheAlaAspValSerGlnGlyAspIleSer 195
   ::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
Db 580 GCCCTCTCTGTCATATTCGCCACTTCATCTTGGCAACGTC-----AGT 624

QY 186 GlnGlyAspArgTyrIleCysAspArgLeuTyrProAspSerLeuTyrMetValVal 205
   ::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
Db 625 GAGGACAGATGACAGATATATCTGTGACCGTCTTACCCCAATGACTTGGGTGGTGTG 684

QY 206 PheGlnPheGlnHisIleMetValGlyLeuLeuLeuProGlyIleValIleLeuSerCys 225
   ::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
Db 685 TTCCAGTTTCAGCACATCATGTTGGCTTATCTGCTGCTTATCTGCTGCTTATCTGCTGCTGC 744

QY 226 TyrCysIleIleIleSerLysLeuSerHisSerLysGlyHisGlnLysArgLysAlaLeu 245
   ::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
Db 745 TATTGTCATATATCTTCAAGCTGTTCACACTCCAAAGGCCACAGAGCGCAAGGCCCTC 804

QY 246 LysThrThrValIleLeuLeuAlaPhePheAlaCysTyrIleProTyrIleValGly 265
   ::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
Db 805 AAGACACACAGTATCTCTATCTCTGGCTTCTTGGCTGTTGGCTGCTTACTACTATGGG 864

QY 266 IleSerIleAspSerPheIleLeuLeuGlyValIleLysGlnGlyCysAspPheGluSer 285
   ::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
Db 865 ATCAGCATCGACTCTTCTATCTCTCTGGAATCATCAAGCAAGGCTGTGAGTTTGAGAAC 924
  
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QY 286 IleValHisLysTyrIleSerIleThrGluAlaLeuAlaPhePheHisCysCysLeuAsn 305
   ::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
Db 925 ACTGTGCACAAAGTGGATTTCCATCACCAGGAGCCCTAGCTTTCTTCCACTGTGTCTGAAC 984

QY 306 ProfileLeuTyrAlaPheLeuGlyAlaLysPheLysSerSerAlaGlnHisAlaLeuAsn 325
   ::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
Db 985 CCCATCCTCTATGCTTTCCTTGGAGCCAAATTTAAACCTCTGCCAGCACGCACTCACC 1044

QY 326 SerMetSerArgLysSerSerLysLysIleLeuSerLysGlyLysArgGlyGlyHisSer 345
   ::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
Db 1045 TCTGTGAGCAGAGGGTCCAGCTCCTCAAGATCCTCTCCAAAGGAAGCGAGGTGGACATTC 1104

QY 346 SerValSerThrGluSerGluSerSerSerPheHisSerSer 359
   ::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
Db 1105 TCTGTTTCCACTGAGTCTGAGTCTTCAAGTTTTCACCTCCAGC 1146
  
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RESULT 7

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US-08-076-093A-3
; Sequence 3, Application US/08076093A
; Patent No. 5543503
; GENERAL INFORMATION:
; APPLICANT: Chuntharapai, Anan
; APPLICANT: Lee, James
; APPLICANT: Hebert, Caroline
; APPLICANT: Jin Kim, K.
; TITLE OF INVENTION: Antibodies to Human PF4A Receptors
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESS: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/076,093A
; FILING DATE: 11-Jun-1993
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/810782
; FILING DATE: 19-DEC-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/677211
; FILING DATE: 29-MAR-1991
; NAME: Love, Richard B.
; ATTORNEY/AGENT INFORMATION:
; REGISTRATION NUMBER: 34,659
; REFERENCE/DOCKET NUMBER: 706P2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-5530
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1737 nucleotides
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; US-08-076-093A-3
  
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Alignment Scores:
Pred. No.: 9,61e-189 Length: 1737
Score: 1678.50 Matches: 319
Percent Similarity: 95.48% Conservative: 19
Best Local Similarity: 90.11% Mismatches: 11
Query Match: 89.90% Indels: 5
DB: 2 Gaps: 1
  
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US-09-367-052-2 (1-359) x US-08-076-093A-3 (1-1737)

Qy 6 ValSerIleTyrThrSerAspAsnTyrSerGluValGlySerGlyAspTyrAspSer 25
 Db 100 ATCAGTATATACACTTCAGATAACTACACCGAGAAATGGCTCAGGGGACTATGACTCC 159
 Qy 26 AsnLysGluProCysPheArgAspGluAsnValHisPheAsnArgIlePheLeuProThr 45
 Db 160 ATGAAGGAACCTGTTCCGTCGAGAAATGCTAAATTTCAATAAAATCTTCCTGCCACC 219
 Qy 46 IleTyrPheIleIlePheLeuThrGlyIleValGlyAsnGlyLeuValIleLeuValMet 65
 Db 220 ATCTACTCCATCATCTTCTTAATCGCATTTGGGCAATGATTTGGTCATCTCGTCATG 279
 Qy 66 GlyTyrGlnLysLysLeuArgSerMetThrAspLysTyrArgLeuHisLeuSerValAla 85
 Db 280 GGTATACCAGAAGAACTGAGAGCATGACGACAAAGTACAGGCTGCACCTGTCTAGTGGCC 339
 Qy 86 AspLeuLeuPheValIleThrLeuProPheTyrPheValAlaValAlaMetAlaAspTyrPyr 105
 Db 340 GACCTCTCTTGTGTCATCTGTCAGCTTCCCTTCTGGGCACTTGTATGCGTGGCAAACTGTATC 399
 Qy 106 PheGlyLysPheLeuCysLysAlaValHisIleIleTyrThrValAsnLeuTyrSerSer 125
 Db 400 TTTGGGAACTTCTTATCAAGGCACTCATGTCTATCTACAGCTCAACCTCTACAGCAGT 459
 Qy 126 ValLeuLeuLeuAlaPheIleSerLeuAspArgTyrLeuAlaIleValHisAlaThrAsn 145
 Db 460 GTCTCATCTGCGCTTCATCAGCTGACCGCTACCTGGCCATCGTCCAGCCCAAC 519
 Qy 146 SerGlnArgProArgLysLeuLeuAlaGluLysAlaValTyrValGlyValTyrPhePro 165
 Db 520 AGTCAGAGGCAAGAACTGTTGGCTGAAAGTGCTCTATGTTGGCGTCTGATCCCT 579
 Qy 166 AlaLeuLeuThrIleProAspPheIlePheAlaAspValSerGlnGlyAspIleSer 185
 Db 580 GCCTCTCTGTGACTATCTCCGACTTCATCTTGGCAACGTC-----AGT 624
 Qy 186 GlnGlyAspAspArgTyrIleCysAspArgLeuTyrProAspSerLeuTyrMetValVal 205
 Db 625 GAGGCAGATCAGATATATCTGTGACCGCTTACCCCAATGACTGTGGGTGTGTG 684
 Qy 206 PheGlnPheGlnHisIleMetValGlyLeuLeuLeuProGlyIleValIleLeuSerCys 225
 Db 685 TTCAGTTTCAGCACATCATGCTGCTGCTTATCTGCTGCTGCTGCTGCTGCTGCTGCTG 744
 Qy 226 TyrCysIleIleIleSerLysLeuSerHisSerLysGlyHisGlnLysArgLysAlaLeu 245
 Db 745 TATTGCATTATCATCTCAAGCTGTCTACACTCAAGGGCCACAGAGCGCAAGGCCCTC 804
 Qy 246 LysThrThrValIleLeuLeuLeuAlaPhePheAlaCysTyrLeuProTyrTyrValGly 265
 Db 805 AAGACACAGATCATCTCATCTGCTGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 864
 Qy 266 IleSerIleAspSerPheIleLeuLeuGlyValIleLysGlnGlyCysAspPheGluSer 285
 Db 865 ATCAGCATCAGCTCTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 924
 Qy 286 IleValHisLysTyrPheIleSerIleThrGluAlaLeuAlaPhePheHisCysCysLeuAsn 305
 Db 925 ACTGTGCACAAGTGAGATTTCCATCAGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 984
 Qy 306 ProIleLeuTyrAlaPheLeuGlyAlaLysPheLysSerAlaGlnHisAlaLeuAsn 325
 Db 985 CCATCTCTATGCTTCTTCTGAGCCAAATTTAAACCTCTGCCCAGCAGCACTCACC 1044
 Qy 326 SerMetSerArgGlySerSerLeuLysIleLeuSerLysGlyLysArgGlyGlyHisSer 345
 Db 1045 TCTGTGAGCAGAGGCTCCAGCTCAAGATCTCTCCAAAGGAAAGCGAGGTGACATTCA 1104
 Qy 346 SerValSerThrGluSerGluSerSerPheHisSerSer 359

Db 1105 TCTGTTTCCACTGAGTCTGAGTCTTCAAGTTTTCACCTCCAGC 1146

RESULT 8

US-08-701-265-3
 ; Sequence 3, Application US/08701265
 ; Patent No. 5776457
 ; GENERAL INFORMATION:
 ; APPLICANT: Chuntharapai, Anan
 ; APPLICANT: Lee, James
 ; APPLICANT: Hebert, Caroline
 ; APPLICANT: Jin Kim, K.
 ; TITLE OF INVENTION: Antibodies to Human PP4A Receptors
 ; NUMBER OF SEQUENCES: 6
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 460 Point San Bruno Blvd
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94080
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: WinPatin (Genentech)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/701,265
 ; FILING DATE: 22-AUG-1996
 ; CLASSIFICATION: 424
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/076093
 ; FILING DATE: 11-Jun-1993
 ; APPLICATION NUMBER: 07/810782
 ; FILING DATE: 19-DEC-1991
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 07/677211
 ; FILING DATE: 29-MAR-1991
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Love, Richard B
 ; REGISTRATION NUMBER: 34,659
 ; REFERENCE/DOCKET NUMBER: 706P2
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 415/225-5530
 ; TELEFAX: 415/952-9881
 ; INFORMATION FOR SEQ ID NO: 3:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 1737 nucleotides
 ; TYPE: Nucleic Acid
 ; STRANDEDNESS: Single
 ; TOPOLOGY: Linear
 ; US-08-701-265-3

Alignment Scores:
 Pred. No.: 9,61e-189 Length: 1737
 Score: 1678.50 Matches: 319
 Percent Similarity: 95.48% Conservative: 19
 Best Local Similarity: 90.11% Mismatches: 11
 Query Match: 89.90% Indels: 5
 DB: 2 Gaps: 1

US-09-367-052-2 (1-359) x US-08-701-265-3 (1-1737)

Qy 6 ValSerIleTyrThrSerAspAsnTyrSerGluValGlySerGlyAspTyrAspSer 25
 Db 100 ATCAGTATATACACTTCAGATAACTACACCGAGAAATGGGCTCAGGGGACTATGACTCC 159
 Qy 26 AsnLysGluProCysPheArgAspGluAsnValHisPheAsnArgIlePheLeuProThr 45
 Db 160 ATGAAGGAACCTGTTCCGTCGAGAAATGCTAAATTTCAATAAAATCTTCCTGCCACC 219
 Qy 46 IleTyrPheIleIlePheLeuThrGlyIleValGlyAsnGlyLeuValIleLeuValMet 65

Db 220 ATCTACTCCATCATCTCTTTAACTGGCATGTTGGCAATGGATTGGTCATCTGGTTCATG 279
Qy 66 GlyTyrGlnLysLysLeuArgSerMetThrAspLysTyrArgLeuHisLeuSerValAla 85
Db 280 GGTACCAAGAAACTGAGAACATGACGAGCAAGTACAGGCTGCACCTGTCTAGTGGCC 339
Qy 86 AspLeuLeuPheValIleThrLeuProPheTrpAlaValAspAlaMetAlaAspTrpTyr 105
Db 340 GACCTCTCTTTGTTCATACGCTTCCTCTCTGGCAGTTGATGCCCTGGCAACTGGTAC 399
Qy 106 PheGlyLysPheLeuCysLysAlaValHisIleTyrThrValAsnLeuTyrSerSer 125
Db 400 TTTGGGAACCTTCATGCAAGGCAAGTCCATGTCATCTACACAGTCAACCTCTACAGCAGT 459
Qy 126 ValLeuIleLeuAlaPheIleSerLeuAspArgTyrLeuAlaIleValHisAlaThrAsn 145
Db 460 GTCTCTCATCTGGCCTTCATCATGCTGGACCGCTACTCTGGCCATCTGCACGCCACCAAC 519
Qy 146 SerGlnArgProArgLysLeuLeuAlaGluLysAlaValTyrValGlyValTrrPilePro 165
Db 520 AGTCAGAGCCCAAGGAAGCTGTGTGGCTGAAGGTGTCTATGTTGGCTGTGGATCCCT 579
Qy 166 AlaLeuLeuLeuThrIleProAspPheIlePheAlaAspValSerGlnGlyAspIleSer 185
Db 580 GGCCTCTCTGCTGACTATTCCGACTTCATCTTTGCCAACGTC-----AGT 624
Qy 186 GlnGlyAspAspArgTyrIleCysAspArgLeuTyrProAspSerLeuTrpMetValVal 205
Db 625 GAGGCAGATGACAGATATATCTGTGACCGCTCTTACCCCAATGACTGTGGGTGTGTG 684
Qy 206 PheGlnPheGlnHisIleMetValGlyLeuIleLeuProGlyIleValIleLeuSerCys 225
Db 685 TTCCAGTTTCAGACATCATGTTGGCTTATCTGCTGGTATTGTCTATCTGCTCTGTC 744
Qy 226 TyrCysIleIleIleSerLysLeuSerHisSerLysGlyHisGlnLysArgLysAlaLeu 245
Db 745 TATTGCAATTATCATCTCCAAGCTGTCACTCCCAAGGGCCACCAGAAGCGCAAGGCCCTC 804
Qy 246 LysThrThrValIleLeuIleLeuAlaPhePheAlaCysTrpLeuProTyrTyrValGly 265
Db 805 AAGACCACAGTCATCTCATCTCTGGCTTTCTTCCGCTGTGGCTGTCTACTACATTGGG 864
Qy 266 IleSerIleAspSerPheIleLeuLeuGlyLysGlnGlyCysAspPheGluSer 285
Db 865 ATCAGCATCGACTCTCTTCATCTCTCGGAATCATCAAGCAAGGGTGTGATTTGAGAAC 924
Qy 286 IleValHisLysTrpIleSerIleThrGluAlaLeuAlaPhePheHisCysCysLeuAsn 305
Db 925 ACTGTGCACAAGTGGATTTCCATCACCGAGGCCCTAGCTTTCTTCCACTGTTGCTGAAC 984
Qy 306 ProIleLeuTyrAlaPheLeuGlyAlaLysPheLysSerSerAlaGlnHisAlaLeuAsn 325
Db 985 CCATCTCTATGCTTTCTCTTGGAGCCAAATTTTAAACCTCTGCCCGCAGCACTCACC 1044
Qy 326 SerMetSerArgGlySerSerLeuLysIleLeuSerLysGlyLysArgGlyGlyHisSer 345
Db 1045 TCTGTGAGCAGAGGGTCCAGCTCCTCAAGATCTCTCCAAAGGAAGGAGGTGACATTCA 1104
Qy 346 SerValSerThrGluSerGluSerSerPheHisSerSer 359
Db 1105 TCTGTTTCCACTGAGTCTGAGTCTTCAAGTTTTCCTCCAGC 1146

RESULT 9

US-08-284-586-3

; Sequence 3, Application US/08284586

; Patent No. 5840856

; GENERAL INFORMATION:

; APPLICANT: Chuntharapai, Anan

; APPLICANT: Lee, James

; APPLICANT: Hebert, Caroline

; APPLICANT: Jin Kim, K.

; TITLE OF INVENTION: Antibodies to Human PF4A Receptors

; NUMBER OF SEQUENCES: 6

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/284,586
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/076,093A
; FILING DATE: 11-Jun-1993
; APPLICATION NUMBER: 07/810782
; FILING DATE: 19-DEC-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/677211
; FILING DATE: 29-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Love, Richard B
; REGISTRATION NUMBER: 34,659
; REFERENCE/DOCKET NUMBER: 706P2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-5530
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1737 nucleotides
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; US-08-284-586-3

Alignment Scores:

Pred. No.: 9,61e-189 Length: 1737
Score: 1678.50 Matches: 319
Percent Similarity: 95.48% Conservative: 19
Best Local Similarity: 90.11% Mismatches: 11
Query Match: 89.90% Indels: 5
DB: 2 Gaps: 1

US-09-367-052-2 (1-359) x US-08-284-586-3 (1-1737)

Qy 6 ValSerIleTyrThrSerAspAsnTyrSerGluGluValGlySerGlyAspTyrAspSer 25
Db 100 ATCAGTATATACATTCAGATACACCGAGGAATGGCTCAGGGAGACTATGACTCC 159
Qy 26 AsnLysGluProCysPheArgAspGluAsnValHisPheAsnArgIlePheLeuProThr 45
Db 160 ATCAAGGAACCCCTGTTCCGTGAGAAATGCTAATTTCAATAAATCTTCTCTGCCACC 219
Qy 46 IleTyrPheIleIlePheLeuThrGlyIleValGlyAsnGlyLeuValIleLeuValMet 65
Db 220 ATCTACTCCATCATCTTCTTAACCTGCAATGGCAATGGATGCTATCTCTGGTTCATG 279
Qy 66 GlyTyrGlnLysLysLeuArgSerMetThrAspLysTyrArgLeuHisLeuSerValAla 85
Db 280 GGTACCAAGAAACTGAGAACATGACGACAGTACAGGCTGCACCTGTCTAGTGGCC 339
Qy 86 AspLeuLeuPheValIleThrLeuProPheTrpAlaValAspAlaMetAlaAspTrpTyr 105
Db 340 GACCTCTCTTTGTTCATACGCTTCCTCTTCTGGCAGTTGATGCCCTGGCAACTGGTAC 399
Qy 106 PheGlyLysPheLeuCysLysAlaValHisIleIleTyrThrValAsnLeuTyrSerSer 125
Db 400 TTTGGGAACCTTCATGCAAGGCAAGTCCATGTCATCTACACAGTCAACCTCTCTACAGCAGT 459

Qy 126 ValLeuIleLeuAlaPheIleSerLeuAspArgTyrLeuAlaIleValHisAlaThrAsn 145
Db 460 GTCTCTATCTGGCCCTTTCATCAGTGTGACCGGTACCTGGCCATCGTCCACGCCCAAC 519
Qy 146 SerGlnArgProArgLysLeuAlaGluLysAlaValTyrValGlyValTrpIlePro 165
Db 520 AGTCAGAGGCCAAGAAAGCTGTGGCTGTGAAGGTGTCTATGTGGCGTCTGGATCCCT 579
Qy 166 AlaLeuLeuLeuThrIleProAspPheIlePheAlaAspValSerGlnGlyAspIleSer 185
Db 580 GCCTCTCTGTGCTATTCGCGACTTCATCTTGGCAACGTC-----AGT 624
Qy 186 GlnGlyAspAspArgTyrIleCysAspArgLeuTyrProAspSerLeuTrpMetValVal 205
Db 625 GAGGCAGATGACAGATATATCTGTGACCGCTTCTACCCCAATGACATTGTGGGTGTGTG 694
Qy 206 PheGlnPheGlnHisIleMetValGlyLeuLeuLeuProGlyIleValIleLeuSerCys 225
Db 685 TTCAGTTTCAGACATCATCTGGTGTGGCTTATCTGCTGGTATTGTTCCTGCTCTGC 744
Qy 226 TyrCysIleIleIleSerLysLeuSerHisSerLysGlyHisGlnLysArgLysAlaLeu 245
Db 745 TATTGCATTATCATCTCCAGCTGTCACTCCNAGGGCCACCAAGCGCAAGGCCCTC 804
Qy 246 LysThrThrValIleLeuLeuAlaPhePheAlaCysTrpLeuProTyrTyrValGly 265
Db 805 AAGACCACTCATCTCTGCTGCTTCTTGGCTGTGGCTGTGGCTGTGGCTGTGGCTGTGG 864
Qy 266 IleSerIleAspSerPheIleLeuLeuGlyValIleLysGlnGlyCysAspPheGluSer 285
Db 865 ATCAGCATCGACTCTCTTCATCTCTCTGGAATCATCAAGCAAGGGTGTGAGTTGAGAAC 924
Qy 286 IleValHisLysTrpIleSerIleThrGluAlaLeuAlaPhePheHisCysLysLeuAsn 305
Db 925 ACTGTGCACAGTGGATTTCATCAGCGAGCCCTAGCTTCTTCCACTGTCTCTGAAC 984
Qy 306 ProIleLeuTyrAlaPheLeuGlyAlaLysPheLysSerSerAlaGlnHisAlaLeuAsn 325
Db 985 CCCATCTCTATGTTTCTTGGAGCCAAATTTAAACCTCTGCCAGCAGCACTCACC 1044
Qy 326 SerMetSerArgGlySerSerLeuLysIleLeuSerLysGlyLysArgGlyGlyHisSer 345
Db 1045 TCTGTGAGCAGAGGGTCCAGCTCCAGATCTCTCCAAAGAAAGCGAGGTGACATTCA 1104
Qy 346 SerValSerThrGluSerGluSerSerSerPheHisSerSer 359
Db 1105 TCTGTTTCCACTGAGTCTGAGTCTTCAAGTTTTCACCTCCAGC 1146

RESULT 10

US-08-805-478-3
; Sequence 3, Application US/08805478
; Patent No. 5874543
; GENERAL INFORMATION:
; APPLICANT: Chuntharapai, Anan
; APPLICANT: Lee, James
; APPLICANT: Hebert, Caroline
; APPLICANT: Jin Kim, K.
; TITLE OF INVENTION: ANTIBODIES TO PF4A RECEPTOR
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/805,478
; FILING DATE: 25-Feb-1997
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/284586
; FILING DATE: 10-AUG-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/076093
; FILING DATE: 11-JUN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/810782
; FILING DATE: 19-DEC-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Love, Richard B.
; REGISTRATION NUMBER: 34,659
; REFERENCE/DOCKET NUMBER: P0706P2P1C1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-5530
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1737 base pairs
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; US-08-805-478-3

Alignment Scores:

Pred. No.: 9 61e-189 Length: 1737
Score: 1678.50 Matches: 319
Percent Similarity: 95.48% Conservative: 19
Best Local Similarity: 90.11% Mismatches: 11
Query Match: 89.90% Indels: 5
DB: 2 Gaps: 1

US-09-367-052-2 (1-359) x US-08-805-478-3 (1-1737)

Qy 6 ValSerIleTyrThrSerAspAsnTyrSerGluValGlySerGlyAspTyrAspSer 25
Db 100 ATCAGTATATATACATCTTCCAGTAACTACACCGAGGAAATGGGCTCAGGGACTATGACTCC 159
Qy 26 AsnLysGluProCysPheArgAspGluAsnValHisPheAsnArgIlePheLeuProThr 45
Db 160 ATGAAGGAACCCCTGTTTCCGTGAAGAAATGCTTAATTTCAATAAATCTTCTCGCCACC 219
Qy 46 IleTyrPheIleIlePheLeuThrGlyIleValGlyAsnGlyLeuValIleLeuValMet 65
Db 220 ATCTACTCCATCATCTTCTTACTGGCAATGGATGGTTCATCTCTGGTCATG 279
Qy 66 GlyTyrGlnLysLysLeuArgSerMetThrAspLysTyrArgLeuHisLeuSerValAla 85
Db 280 GGTACCAGAGAAATCTAGAGACATGAGACAGTACAGGCTGCACCTGTTCAGTGGCC 339
Qy 86 AspLeuLeuPheValIleThrLeuProPheTrpAlaValAspAlaMetAlaAspTrpTyr 105
Db 340 GACCTCTCTTGTCTCATCGCTTCCCTTCTTGGGCAGTTGATGCCGTGGCAAACTGGTAC 399
Qy 106 PheGlyLysPheLeuCysLysAlaValHisIleIleTyrThrValAsnLeuTyrSerSer 125
Db 400 TTTGGGAACCTTCTATGCAAGGCGATCCATGTCATCTACACAGTCAACCTCTACAGAGT 459
Qy 126 ValLeuIleLeuAlaPheIleSerLeuAspArgTyrLeuAlaIleValHisAlaThrAsn 145
Db 460 GTCTCTATCTGGCCCTTTCATCAGTCTGGACCGCTACCTGGCCATCGTCCAGCCCAAC 519
Qy 146 SerGlnArgProArgLysLeuLeuAlaGluLysAlaValTyrValGlyValTrpIlePro 165
Db 520 AGTCAGAGGCCAAGAAAGCTGTGGCTGTGAAGGTGTCTATGTGGCGTCTGGATCCCT 579
Qy 166 AlaLeuLeuLeuThrIleProAspPheIlePheAlaAspValSerGlnGlyAspIleSer 185
Db 580 GCCTCTCTGTGACTATTTCCGACTTTCATCTTTTGGCAACGTC-----AGT 624

Db 805 AAGACCAAGTCATCTCATCTGCTTTCTTCCCTGTTGGCTGCTTACTACATTGGG 864
Qy 266 IleserIleAaspSerPheIleLeuLeuGlyValIleLysGlnGlyCysAaspPheGluSer 285
Db 865 ATCAGCATCGACTCTTCTCTCTGAAATCATCAAGCAAGGGTGTGAGTTTGAGAAC 924
Qy 286 IlevAlHisLysTrpIleSerIleThrGluAlaLeuAlaPhePheHisCysCysLeuAen 305
Db 925 ACTGTGCACAAGTGGATTTCATCACCAGGCGCTTCTTCCACTGTGTGCTGAAC 984
Qy 306 ProIleLeuTyAlaPheLeuGlyAlaLysPheLysSerSerAlaGlnHisAlaLeuAen 325
Db 985 CCCATCTCTATGTTTCTTGGAGCCAAATTTAAACCTCTGCCACAGCAGCACTCAC 1044
Qy 326 SerMetSerArgGlySerSerLeuLysIleLeuSerLysGlyLysArgGlyGlyHisSer 345
Db 1045 TCTGTGAGCAGAGGTCAGCTCAGATCTCTCCAAAGGAAAGCGAGGTGGACATTCA 1104
Qy 346 SerValSerThrGluSerGluSerSerSerPheHisSerSer 359
Db 1105 TCTGTTTCCAGTGAAGTCTGAGTCTTCAAGTCTTCACTCCAGC 1146

RESULT 12

US-08-801-238-3
; Sequence 3, Application US/08801238
; Patent No. 5919896
; GENERAL INFORMATION:
; APPLICANT: Lee, James
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: PP4A RECEPTOR
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPac (Genentech)
; APPLICATION DATA:
; CURRENT APPLICATION NUMBER: US/08/801,238
; FILING DATE: 19-Feb-1997
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/284586
; FILING DATE: 10-AUG-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/076093
; FILING DATE: 11-JUN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/810782
; FILING DATE: 19-DEC-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Love, Richard B.
; REGISTRATION NUMBER: 34,659
; REFERENCE/DOCKET NUMBER: P0706P2P1D1
; TELEPHONE: 415/225-5530
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1737 base pairs
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
US-08-801-238-3

Alignment Scores:
Pred. No.: 9,61e-189 Length: 1737
Score: 1678.50 Matches: 319
Percent Similarity: 95.48% Conservative: 19
Best Local Similarity: 90.11% Mismatches: 11
Query Match: 89.90% Indels: 5
DB: 2 Gaps: 1
US-09-367-052-2 (1-359) x US-08-801-238-3 (1-1737)
Qy 6 ValSerIleTyThrSerAaspSerGluGluValGlySerGlyAaspTyAaspSer 25
Db 100 ATCAGTATATACATCTCAGATACTACACCGAGGAAATGGGCTCAGGGGACTATGACTCC 159
Qy 26 AsnLysGluProCysPheArgAaspGluAenValHisPheAenArgIlePheLeuProThr 45
Db 160 ATGAAGGAACCCCTGTTTCCGTGAAGAAATGCTAAATTTCAATAAAATCTTCTCTGCCACC 219
Qy 46 IleTyPheIleIlePheLeuThrGlyIleValGlyAsnGlyLeuValIleLeuValMet 65
Db 220 ATCTACTCCATCATCTTCTTAACCTGGCATTTGGGCAATGGATTGGTCATCTCTGGTCATG 279
Qy 66 GlyTyGlnLysLysLeuArgSerMetThrAaspLysTyArgLeuHisLeuSerValAla 85
Db 280 GGTATACAGAAAGAACTGAGAGCATGACGACAGTACAGGCTGCACCTCTCAGTGGCC 339
Qy 86 AspLeuLeuPheValIleThrLeuProPheTrpAlaValAaspAlaMetAlaAaspTrpTy 105
Db 340 GACCTCTCTTTGTGTCATCAGCTTCCCTTCTGGGCAAGTTGATGCCGTGGCAAACTGGTAC 399
Qy 106 PheGlyLysPheLeuCysLysAlaValHisIleIleTyThrValAenLeuTySerSer 135
Db 400 TTTGGGAACCTTCTATGCAAGGCAGTCCATGTCATCTACACAGTCAACCTCTACAGCAGT 459
Qy 126 ValIleLeuAlaPheIleSerLeuAaspTyArgTyLeuAlaIleValHisAlaThrAen 145
Db 460 GTCTCTATCTGCGCTTCATCATGCTGGACCGCTACTGCGCATCTGCCACCGCACCAAC 519
Qy 146 SerGlnArgProArgLysLeuLeuAlaGluLysAlaValTyValGlyValTrpIlePro 165
Db 520 AGTCAGAGCGCAAGGAAGCTGTTGGCTGAAAGGTGCTATGTTGGCGTCTGGATCCCT 579
Qy 166 AlaLeuLeuLeuThrIleProAaspPheIlePheAlaAaspValSerGlnGlyAaspIleSer 185
Db 580 GCCCTCTCTGCTGACTATTCCGCACTTCATCTTTGCCAAGCTC-----AGT 624
Qy 186 GlnGlyAaspArgTyIleCysAaspArgLeuTyProAaspSerLeuTrpMetValVal 205
Db 625 GAGGCAGATGACAGATATATCTGTGACCGCTTCTACCCCAATGACTTGTGGGTGGTTGTG 684
Qy 206 PheGlnPheGlnHisIleMetValGlyLeuIleLeuProGlyIleValIleLeuSerCys 225
Db 685 TTCCAGTTTCAGCACATCATGTTGGCTTATCTCTGCTGGTATTGTCATCTCTGCTGCTGC 744
Qy 226 TyrCysIleIleIleSerLysLeuSerHisSerLysGlyHisGlnLysArgLysAlaLeu 245
Db 745 TATTGCAATTATCATCTCCAAGCTGTCCACACTCCAAGGGCCACCAGAAAGCGCAAGGCCCTC 804
Qy 246 LysThrThrValIleLeuIleLeuAlaPhePheAlaCysTrpLeuProTyTyTyValGly 265
Db 805 AGACCAACAGTCATCTCTCATCTCTGGCTTTCTTGGCTGTGGCTGCTTACTACTATTTGGG 864
Qy 266 IleSerIleAaspSerPheIleLeuLeuGlyValIleLysGlnGlyCysAaspPheGluSer 285
Db 865 ATCAGCATCGACTCTCTTCATCTCTCTGGAATCATCAAGCAAGGGTGTGAGTTTGAGAAC 924
Qy 286 IlevAlHisLysTrpIleSerIleThrGluAlaLeuAlaPhePheHisCysCysLeuAen 305
Db 925 ACTGTGCACAAGTGGATTTCATCACCAGGCGCTAGCTTCTTCTCCACTGTGTGCTGAAC 984
Qy 306 ProIleLeuTyAlaPheLeuGlyAlaLysPheLysSerSerAlaGlnHisAlaLeuAen 325
Db 985 CCCATCTCTATGCTTTTCTTGGAGCCAAATTTAAACCTCTTCCACCTCCAGCAGCACTCAC 1044

QY 326 SerMetSerArgGlySerSerLeuValLeuSerLysGlyLysArgGlyGlyHisSer 345
 Db 1045 TCTGTGAGCAGAGGGTCCAGCCTCAAGATCCTCTCCAAAGAAAGCGAGGTGACATTCA 1104
 QY 346 SerValSerThrGluSerGluSerSerPheHisSerSer 359
 Db 1105 TCTGTTTCCACTGAGTCTTCAAGTTTTCACCTCCAGC 1146

RESULT 13
 US-08-801-228-3
 ; Sequence 3, Application US/08801228
 ; Patent No. 5922541
 ; GENERAL INFORMATION:
 ; APPLICANT: Lee, James
 ; APPLICANT: Wood, William I.
 ; TITLE OF INVENTION: METHODS FOR DETECTION AND AMPLIFICATION OF
 ; TITLE OF INVENTION: PF4A RECEPTOR NUCLEIC ACID
 ; NUMBER OF SEQUENCES: 6
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 460 Point San Bruno Blvd
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94080
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: WinPatIn (Genentech)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/801,228
 ; FILING DATE: 19-Feb-1997
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/284586
 ; FILING DATE: 10-AUG-1994
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/076093
 ; FILING DATE: 11-JUN-1993
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 07/810782
 ; FILING DATE: 19-DEC-1991
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Love, Richard B.
 ; REGISTRATION NUMBER: 34,659
 ; REFERENCE/DOCKET NUMBER: P0706P2P1D3
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 415/225-5530
 ; TELEFAX: 415/952-9881
 ; TELETYPE: 910/371-7168
 ; INFORMATION FOR SEQ ID NO: 3:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 1737 base pairs
 ; TYPE: Nucleic Acid
 ; STRANDEDNESS: Single
 ; TOPOLOGY: Linear
 ; US-08-801-228-3

Alignment Scores:
 Pred. No.: 9,61e-189 Length: 1737
 Score: 1678.50 Matches: 319
 Percent Similarity: 95.48% Conservatives: 19
 Best Local Similarity: 90.11% Mismatches: 11
 Query Match: 89.90% Indels: 5
 DB: 2 Gaps: 1

US-09-367-052-2 (1-359) x US-08-801-228-3 (1-1737)

QY 6 ValSerIleThrSerAspAsnTyrSerGluValGlySerGlyAspTyrAspSer 25
 Db 100 ATCAGTATATACACTTCCAGATAACTACACCGGAATGGGCTCAGGGGACTATGACTCC 159

QY 26 AsnLysGluProCysPheArgAspGluAsnValHisPheAsnArgIlePheLeuProThr 45
 Db 160 ATCAAGAGACCTGTTTCGTGAGAAATATCTAATTTCAATAAATCTTCTCTGCCACC 219
 QY 46 IleTyrPheIlePheLeuThrGlyIleValGlyAsnGlyLeuValIleLeuValMet 65
 Db 220 ATCTACTCCATCATCTTCTTAACGTGGCAATGGATGGTTCATCTCTGTGTCATG 279
 QY 66 GlyTyrGlnLysLeuArgSerMetThrAspLysTyrArgLeuHisLeuSerValAla 85
 Db 280 GGTACCAGAGAACTGAGAACATGACGCAAGTACAGGCTGCACCTGTCTCAGTGGCC 339
 QY 86 AspLeuLeuPheValIleThrLeuProPheTpaAlaValAspAlaMetAlaAspTyr 105
 Db 340 GACCTCTCTTGTTCATCAGCTTCCCTCTGGCAGTTGATGCCGTGGCAAACTGGTAC 399
 QY 106 PheGlyLysPheLeuCysLysAlaValHisIleIleTyrThrValAsnLeuTyrSer 125
 Db 400 TTTGGGAACCTTCTATGCAAGCAGTCCATGTCTACACAGTCAACCTCTACAGCAGT 459
 QY 126 ValLeuIleLeuAlaPheIleSerLeuAspArgTyrLeuAlaIleValHisIleThr 145
 Db 460 GTCTCTCATCTGCTTCTATCATGTCTGGACCCGTACCTGGCCATCTCCACGCCAAC 519
 QY 146 SerGlnArgProArgLysLeuLeuAlaGluLysAlaValTyrValGlyValTyrPro 165
 Db 520 AGTCAGAGCCCAAGAACTGTTGGCTGAAAGGTGGTCTATGTTGGCTGTGATCCCT 579
 QY 166 AlaLeuLeuLeuThrIleProAspPheIlePheAlaAspValSerGlnGlyAspIle 185
 Db 580 GGCCTCTCTGACTATTCCTGACTTCTTGTGCAAGCTC-----AGT 624
 QY 186 GlnGlyAspAspArgTyrIleCysAspArgLeuTyrProAspSerLeuTyrMetVal 205
 Db 625 GAGGCAGATGACAGATATATCTGTGACCCCTTCTACCCCAATGACTGTGGGGTGTG 684
 QY 206 PheGlnPheGlnHisIleMetValGlyLeuLeuLeuProGlyIleValIleLeuSer 225
 Db 685 TTCCAGTTTCAGCACATCATGTTGGCTTATCTGCTGTTATCTCATCTCTCTCTGCT 744
 QY 226 TyrCysIleIleIleSerLysLeuSerHisSerLysGlyHisGlnLysArgLysAla 245
 Db 745 TATTGCATTATCATCTCCAAGCTGTCACTCCAGGGCCACCAAGAGCGCAAGGCCCTC 804
 QY 246 LysThrThrValIleLeuIleLeuAlaPheAlaCysThrLeuProTyrTyrValGly 265
 Db 805 AAGACCACAGTATCTCTCTGCTGCTTCTTCTGCTGCTGCTTCTTCTTCTTCTTCT 864
 QY 266 IleSerIleAspSerPheIleLeuLeuGlyValIleLysGlnGlyCysAspPheGlu 285
 Db 865 ATCAGCATCGACTCTCTCTCTCTGGAATCATCAAGCAAGGGTGTGAGTTTGAGAAC 924
 QY 286 IleValHisLysTrpIleSerIleThrGluAlaLeuAlaPhePheHisCysCysLeu 305
 Db 925 ACTGTGCACAAGTGGATTTCCATCACCGAGGCCCTAGCTTCTTCTCCACTGTTCT 984
 QY 306 ProIleLeuTyrAlaPheLeuGlyAlaLysPheLysSerSerAlaGlnHisAlaLeu 325
 Db 985 CCCATCTCTATGCTTCTCTGAGCCAAATTTAAACCTCTGCCCAGCAGCAGCTCACC 1044
 QY 326 SerMetSerArgGlySerSerLeuLysIleLeuSerLysGlyLysArgGlyGlyHis 345
 Db 1045 TCTGTGAGCAGAGGGTCCAGCCTCAAGATCCTCTCCAAAGAAAGCGAGGTGACATTCA 1104
 QY 346 SerValSerThrGluSerGluSerSerPheHisSerSer 359
 Db 1105 TCTGTTTCCACTGAGTCTTCAAGTTTTCACCTCCAGC 1146

RESULT 14
 US-09-104-296-3
 ; Sequence 3, Application US/09104296
 ; Patent No. 6087475

```

:
: GENERAL INFORMATION:
:
: APPLICANT: Lee, James
:
: APPLICANT: Wood, William I.
:
: TITLE OF INVENTION: PF4A Receptors
:
: NUMBER OF SEQUENCES: 6
:
: CORRESPONDENCE ADDRESS:
:
: ADDRESSEE: Genentech, Inc.
:
: STREET: 1 DNA Way
:
: CITY: South San Francisco
:
: STATE: California
:
: COUNTRY: USA
:
: ZIP: 94080
:
: COMPUTER READABLE FORM:
:
: MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
:
: COMPUTER: IBM PC compatible
:
: OPERATING SYSTEM: PC-DOS/MS-DOS
:
: SOFTWARE: WinPatIn (Genentech)
:
: CURRENT APPLICATION DATA:
:
: APPLICATION NUMBER: US/09/104,296
:
: FILING DATE: 24-June-1998
:
: CLASSIFICATION:
:
: PRIOR APPLICATION DATA:
:
: APPLICATION NUMBER: 08/701265
:
: FILING DATE: 22-AUG-1996
:
: PRIOR APPLICATION DATA:
:
: APPLICATION NUMBER: 08/664228
:
: FILING DATE: 06-JUN-1996
:
: PRIOR APPLICATION DATA:
:
: APPLICATION NUMBER: 08/076093
:
: FILING DATE: 11-JUN-1993
:
: PRIOR APPLICATION DATA:
:
: APPLICATION NUMBER: 07/810782
:
: FILING DATE: 19-DEC-1991
:
: ATTORNEY/AGENT INFORMATION:
:
: NAME: Love, Richard B.
:
: REGISTRATION NUMBER: 34, 659
:
: REFERENCE/DOCKET NUMBER: P0706P2C2
:
: TELECOMMUNICATION INFORMATION:
:
: TELEPHONE: 415/425-5530
:
: TELEFAX: 415/952-9881
:
: TELEX: 910/371-7168
:
: INFORMATION FOR SEQ ID NO: 3:
:
: SEQUENCE CHARACTERISTICS:
:
: LENGTH: 1737 base pairs
:
: TYPE: Nucleic Acid
:
: STRANDEDNESS: Single
:
: TOPOLOGY: Linear
:
: US-09-104-296-3

```

Alignment Scores:			
Pred. No.:	9,61e-189	Length:	1737
Score:	1678.50	Matches:	319
Percent Similarity:	95.4%	Conservative:	19
Best Local Similarity:	90.11%	Mismatches:	11
Query Match:	89.90%	Indels:	5
DB:	3	Gaps:	1
US-09-367-052-2 (1-359) x US-09-104-296-3 (1-1737)			
Qy	6	ValSerIleTyThrSerAspAsnTySerGluGluValGlySerGlyAspTyArgSer	25
		
Db	100	ATCAGTATATACACTTCAGATAACTACACCGAGGAATGGCTCAGGGAGCATAGCTCC	159
		
Qy	26	AsnLysGluProCysPheArgAspGluAsnValHisPheAsnArgIlePheLeuProThr	45
		
Db	160	ATGAAGGAACCCCTGTTCCGTGAGAAAATGCTAAATTTCAATAAAATCTTCCTGCCACC	219
		
Qy	46	IleTyPheIleIlePheLeuThrGlyIleValGlyAsnGlyLeuValIleLeuValMet	65
		
Db	220	ATCTACTCCATCATCTTCTTAACTGGCATTTGGGCATGGATGGTCATCTCGTCATG	279
		
Qy	66	GlyTyRGlNlyLysLeuArgSerMetThrAspLysTyArgLeuHisLeuSerValAla	85

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280  GGTACAGAGAAACTGAGAACATGACGGACAAGTACAGGCTGCACCTGTCTCAGTGGCC 339
Qy      86  AspLeuLeuPheValIleThrLeuProPheTrpAlaValAspAlaMetAlaAspTrpTyr 105
Db      340  GACCTCTCTTTGTCTATCAGCTTCCTCTCTGGCAGTGTGATCGCTGGCAAACTGGTAC 399
Qy      106  PheGlyLysPheLeuCysLysAlaValHisIleIleTyrThrValaenLeuTyrSerSer 125
Db      400  TTTGGGAACATTCCTATGCAAGGAGGAGTCCATGTCTATACACAGTCAACCTCTACAGCAGT 459
Qy      126  ValLeuIleLeuAlaPheIleSerLeuAspArgTyrLeuAlaIleValHisAlaThrAsn 145
Db      460  GTCTCTATCTCGCCCTTCATCAGTCTGGACCGGTACTCTGGCCATCTGCCAGCCCAAC 519
Qy      146  SerGlnArgProArgLysLeuLeuAlaGluLysAlaValTyrValGlyValTrpIlePro 165
Db      520  AGTCAGAGGCCAAGGAAGCTGTTGGCTGAAAAGGTGCTCTATCTGGCGTCTGGATCCCT 579
Qy      166  AlaLeuLeuLeuThrIleProAspPheIlePheAlaAspValSerGlnGlyAspIleSer 185
Db      580  GCCTCTCTGTCTACTATTCCCGACTTCATCTTTGGCAACGTC-----AGT 624
Qy      186  GlnGlyAspAspArgTyrIleCysAspArgLeuTyrProAspSerLeuTrpMetValVal 205
Db      625  GAGCAGATGACAGATATATCTGTGACCGCTTCATCCCAATGACTGTGGGTGGTTGTG 684
Qy      206  PheGlnPheGlnHisIleMetValGlyLeuIleLeuProGlyIleValIleLeuSerCys 225
Db      685  TTCCAGTTTCAGCACATCATGTTGGCTTATCTCGCTGGTATTGTCTCATCTCTCTGTC 744
Qy      226  TyrCysIleIleIleSerLysLeuSerHisSerLysGlyHisGlnLysArgLysAlaLeu 245
Db      745  TATTTGCATTATCATCTCCAAGCTGTCCACATCTCCAAGGGCCACCAGAAAGCGCAAGGCCCTC 804
Qy      246  LysThrThrValIleLeuIleLeuAlaPhePheAlaCysTrpLeuProTyrTyrValGly 265
Db      805  AAGACACACAGTCACTCTCATCTCTGGCTTTCTTCGCTGTGGCTGCTTACTACATTGGG 864
Qy      266  IleSerIleAspSerPheIleLeuLeuGlyValIleLysGlnGlyCysAspPheGluSer 285
Db      865  ATCAGCATCGACTCTTTCATCTCTCTGGAAATCATCAAGCAAGGGTGTGAGTTTGAGAAC 924
Qy      286  IleValHisLysTrpIleSerIleThrGluAlaLeuAlaPhePheHisCysCysLeuAsn 305
Db      925  ACTGTGCACAAGTGGATTTTCCATCATCGAGGCCCTAGCTTTCTTCCACTGTTGTCTGAAC 984
Qy      306  ProIleLeuTyrAlaPheLeuGlyAlaLysPheLysSerSerAlaGlnHisAlaLeuAsn 325
Db      985  CCATCTCTCTATGCTTTCTCTTGGAGCCAAATTTAAACCTCTGCCCGACGACGACTCACC 1044
Qy      326  SerMetSerArgGlySerSerLeuLysIleLeuSerLysGlyLysArgGlyGlyHisSer 345
Db      1045  TCTGTGAGCAGAGGGTCCAGCCTCAAGATCCTCTCCAAAGGAAAGCGAGGTGGACATTCA 1104
Qy      346  SerValSerThrGluSerGluSerSerPheHisSerSer 359
Db      1105  TCTGTTTCCACTGAGTCTGAGTCTTCAAGTTTTCACCTCCAGC 1146

RESULT 15
PCT-US94-06380-2
; Sequence 2, Application PC/TUS9406380
; GENERAL INFORMATION:
; APPLICANT: Chuntharapai, Anan
; APPLICANT: Lee, James
; APPLICANT: Hebert, Caroline
; APPLICANT: K. Jin Kim
; APPLICANT: Genentech, Inc.
; TITLE OF INVENTION: METHODS FOR TREATING INFLAMMATORY DISORDERS
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco

```

STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/06380
FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/076093

FILING DATE: 11-JUN-1993

ATTORNEY/AGENT INFORMATION:

NAME: Love, Richard B.

REGISTRATION NUMBER: 34,659

REFERENCE/DOCKET NUMBER: 706P2P1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-5530

TELEFAX: 415/952-9881

TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1737 bases

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

PCT-US94-06380-2

Alignment Scores:

Pred. No.:	9,61e-189	Length:	1737
Score:	1678.50	Matches:	319
Percent Similarity:	95.48%	Conservative:	19
Best Local Similarity:	90.11%	Mismatches:	11
Query Match:	89.90%	Indels:	5
DB:	6	Gaps:	1

US-09-367-052-2 (1-359) x PCT-US94-06380-2 (1-1737)

QY	6	ValSerIleTyrThrSerAspAnTyrSerGluGluValGlySerGlyAspTyrAspSer	25
DB	100	ATCAGTATATACATTCAGNATACTACCCAGGAAATGGGCTCAGGGGACTATGACTCC	159
QY	26	AsnLysGluProCysPheArgAspGluAsnValHiePheAsnArgIlePheLeuProThr	45
DB	160	ATGAAGGAACCCCTGTTCCGTGAAGAAATGCTAAATTCATAAATCTTCTGCCACC	219
QY	46	IleTyrPheIleIlePheLeuThrGlyIleValGlyAsnGlyLeuValIleLeuValMet	65
DB	220	ATCTATCCATCATCTCTTAACTGGCAATGTGGCAATGGATGGTTCATCTGGTCATG	279
QY	66	GlyTyrGlnLysLysLeuArgSerMetThrAspLysTyrArgLeuHisLeuSerValAla	85
DB	280	GGTTACAGAGAAACTGAGAGCATGACCGACAGTACAGGCTGCACCTGTCACTGGCC	339
QY	86	AspLeuLeuPheValIleThrLeuProPheTrpAlaValAspAlaMetAlaAspTrpTyr	105
DB	340	GACCTCTCTTGTCTATCCGCTTCCCTCTGGGCACTGATGCCGTGGCAAACTGGTAC	399
QY	106	PheGlyLysPheLeuCysLysAlaValHieIleIleTyrThrValIleLeuTyrSerSer	125
DB	400	TTTGGGAACCTTCTATGCAAGGCAGTCCATGTCTATCAGTCAACCTCTCAGCAGT	459
QY	126	ValIleLeuAlaPheIleSerLeuAspArgTyrLeuAlaIleValHisAlaThrAsn	145
DB	460	GTCTCTATCTGGCCTTCATCAGTCTGGACCGCTACCTGGCCATCGTCCAGCCCAAC	519
QY	146	SerGlnArgProArgLysLeuLeuAlaGluLysAlaValTyrValGlyValTrpIlePro	165
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Search completed: January 11, 2006, 00:32:36

Job time : 300 secs

QY	166	AlaLeuLeuLeuThrIleProAspPheIlePheAlaAspValSerGlnGlyAspIleSer	185
DB	580	GCCCTCTCTGCTACTATTCCCGACTTCATCTTGGCAACGTC-----AGT	624
QY	186	GlnGlyAspAspArgTyrIleCysAspArgLeuTyrProAspSerLeuTrpMetValVal	205
DB	625	GAGGCAGATGACAGATATATCTGTGACCGCTTCTACCCCAATGACTGTGGGTGTGTG	684
QY	206	PheGlnPheGlnHisIleMetValGlyLeuIleLeuProGlyIleValIleLeuSerCys	225
DB	685	TTCCAGTTTCAGCACATCATGTGTGGCTTATCTCGCTGGTATGTATCTCTGTCTGTC	744
QY	226	TyrCysIleIleIleSerLysLeuSerHisSerLysGlyHisGlnLysArgLysAlaLeu	245
DB	745	TATTGATTTATCATCTCCAAAGCTGTACACTCCAGGGCCACCAAGGCGCAAGGCCCTC	804
QY	246	LysThrThrValIleLeuIleLeuAlaPhePheAlaCysTrpLeuProTyrTyrValGly	265
DB	805	AAGACCACAGTCATCTCTGCTTCTTTCGCTGTGGCTGTGGCTTACTACTACATTGGG	864
QY	266	IleSerIleAspSerPheIleLeuLeuGlyValIleLysGlnGlyCysAspPheGluSer	285
DB	865	ATCAGCATCGACTCTCTTCATCTCTCGAAATCATCAAGCAAGGGGTGAGTTTGAGAAC	924
QY	286	IleValHisLysTrpIleSerIleThrGluAlaLeuAlaPhePheHisCysCysLeuAsn	305
DB	925	ACTGTGCACAGTGGATTTCCATCACCAGGAGCCCTAGCTTTCTTCCACTGTGTCTGAAC	984
QY	306	ProIleLeuTyrAlaPheLeuGlyAlaLysPheLysSerSerAlaGlnHisAlaLeuAsn	325
DB	985	CCCATCTCTATGCTTCTCTGGAGCCAAATTTAAACCTCTGCCCGACGACCTCACC	1044
QY	326	SerMetSerArgGlySerSerLeuLysIleLeuSerLysGlyLysArgGlyGlyHisSer	345
DB	1045	TCTGTGAGCAGAGGGTCCAGCTCTCAAGATCTCTCCAAAGGAAGGAGGTGGACATTCA	1104
QY	346	SerValSerThrGluSerGluSerSerSerPheHisSerSer	359
DB	1105	TCTGTTCCTCCTGAGTCTGAGTCTTCAAGTTTTCCTCTCCAGC	1146

GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: January 11, 2006, 00:22:05 ; Search time 1042 Seconds
(without alignments)
2849.047 Million cell updates/sec

Title: US-09-367-052-2
Perfect score: 1867
Sequence: 1 MPEISVIYTSNDYSEVGS.....KRGCHSSVTESESSSFHSS 359

Scoring table: BLOSUM62
Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 9793542 seqs, 4134689005 residues
Total number of hits satisfying chosen parameters: 19587084
Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Command line parameters:
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-Q/cgn2_1/USPTO.spool/US09367052/runat.10012006.102843.10231/app_query.fasta.1.519
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-MINMATCH=0.1 -LOOPCL=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=-1
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-THR_MAX=100 -THR_MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=ptc -NRM=ext
-HEAPSIZE=500 -MINLEN=0 -MAXLEN=2000000000
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-NO MMAP -LARGEQUERY -NEG_SCORES=0 -WAIT -DSPBLOCK=100 -LONGLOG
-DRV_TIMEOUT=120 -WARN_TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6
-FGAPEXT=7 -XGAPOP=10 -FGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Published Applications NA Main:
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2: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
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7: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq:*
8: /cgn2_6/ptodata/1/pubpna/US10D_PUBCOMB.seq:*
9: /cgn2_6/ptodata/1/pubpna/US10E_PUBCOMB.seq:*
10: /cgn2_6/ptodata/1/pubpna/US11_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1867	100.0	1758	8	US-10-785-230-4
2	1744.5	93.4	1050	9	US-10-486-706-54
3	1678.5	89.9	1059	3	US-09-813-651B-84
4	1678.5	89.9	1059	6	US-10-014-322A-125
5	1678.5	89.9	1059	6	US-10-160-401-2
6	1678.5	89.9	1059	8	US-10-775-920-375
7	1678.5	89.9	1059	9	US-10-929-182-8

8	1678.5	89.9	1059	9	US-10-985-324-1	Sequence 1, Appli
9	1678.5	89.9	1225	6	US-10-101-510-741	Sequence 741, App
10	1678.5	89.9	1225	6	US-10-305-720-1235	Sequence 1235, Ap
11	1678.5	89.9	1225	8	US-10-775-920-370	Sequence 370, App
12	1678.5	89.9	1588	8	US-10-785-230-2	Sequence 2, Appli
13	1678.5	89.9	1637	8	US-10-775-920-372	Sequence 372, App
14	1678.5	89.9	1645	8	US-10-775-920-374	Sequence 374, App
15	1678.5	89.9	1645	9	US-10-505-680-185	Sequence 185, App
16	1678.5	89.9	1662	7	US-10-706-265-11	Sequence 11, Appl
17	1678.5	89.9	1664	7	US-10-641-643-1213	Sequence 1213, Ap
18	1678.5	89.9	1664	8	US-10-775-920-369	Sequence 369, App
19	1678.5	89.9	1670	3	US-09-880-107-2143	Sequence 2143, Ap
20	1678.5	89.9	1670	3	US-09-960-706-636	Sequence 636, App
21	1678.5	89.9	1670	6	US-10-372-683-1	Sequence 1, Appli
22	1678.5	89.9	1670	7	US-10-440-464-77	Sequence 77, Appli
23	1678.5	89.9	1670	7	US-10-717-597-317	Sequence 317, App
24	1678.5	89.9	1670	8	US-10-775-920-367	Sequence 367, App
25	1678.5	89.9	1679	5	US-10-151-274-14	Sequence 14, Appl
26	1678.5	89.9	1679	5	US-10-225-567A-75	Sequence 75, Appl
27	1678.5	89.9	1679	6	US-10-021-660-58	Sequence 58, Appl
28	1678.5	89.9	1679	6	US-10-170-385-332	Sequence 332, App
29	1678.5	89.9	1679	6	US-10-341-434-177	Sequence 177, App
30	1678.5	89.9	1679	6	US-10-172-118-912	Sequence 912, App
31	1678.5	89.9	1679	7	US-10-211-462-80	Sequence 80, Appl
32	1678.5	89.9	1679	7	US-10-181-906-9	Sequence 9, Appli
33	1678.5	89.9	1679	7	US-10-342-887-912	Sequence 912, App
34	1678.5	89.9	1679	7	US-10-775-920-366	Sequence 366, App
35	1678.5	89.9	1679	8	US-10-278-698-64	Sequence 64, Appl
36	1678.5	89.9	1679	8	US-10-278-698-578	Sequence 578, App
37	1678.5	89.9	1679	9	US-10-888-313A-62	Sequence 62, Appl
38	1678.5	89.9	1679	9	US-10-486-471-19	Sequence 19, Appl
39	1678.5	89.9	1699	8	US-10-775-920-373	Sequence 373, App
40	1678.5	89.9	1711	3	US-09-971-392-20	Sequence 20, Appl
41	1678.5	89.9	1711	6	US-10-101-510-459	Sequence 459, App
42	1678.5	89.9	1737	3	US-09-104-063-3	Sequence 3, Appli
43	1678.5	89.9	1737	7	US-10-666-689-3	Sequence 3, Appli
44	1678.5	89.9	1826	8	US-10-723-860-5773	Sequence 5773, Ap
45	1672.5	89.6	1059	3	US-09-826-509-484	Sequence 484, App

ALIGNMENTS

RESULT 1
US-10-785-230-4
; Sequence 4, Application US/10785230
; Publication No. US20040209837A1
; GENERAL INFORMATION:
; APPLICANT: KISHIMOTO, Tadamitsu
; APPLICANT: NAGASAWA, Takashi
; APPLICANT: TACHIBANA, Kazunobu
; APPLICANT: CHUGAI SEIYAKU KABUSHIKI KAISHA
; TITLE OF INVENTION: Vascularization Inhibitors
; FILE REFERENCE: 46124-5042-US
; CURRENT APPLICATION NUMBER: US/10785, 230
; PRIOR FILING DATE: 2004-02-25
; PRIOR APPLICATION NUMBER: PCT/JP99/01448
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: JP10/95448
; PRIOR FILING DATE: 1998-03-24
; NUMBER OF SEQ ID NOS: 12
; SEQ ID NO 4
; LENGTH: 1758
; TYPE: DNA
; ORGANISM: Mus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(1080)
; OTHER INFORMATION:
US-10-785-230-4
Alignment Scores: 1.12e-196 Length: 1758
Pred. No.: 1867.00 Matches: 359
Score:

Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	8	Gaps:	0
US-09-367-052-2 (1-359) x US-10-785-230-4 (1-1758)			
Qy	1	MetGluProPheSerValSerLeuThrLeuThrSerAspAsnTyrSerGluGluValGlySer	20
Db	1	ATGGAACCCGATCAGTGTGAGTATATACACTTCTGATAACTACTCTCGAAGAGTGGGGTCT	60
Qy	21	GlyAspTyrAspSerAsnLysGluProCysPheArgAspGluAsnValHisPheAsnArg	40
Db	61	GGAGACTATGACTCCCAACGAAGAACCTTCTCCGGGATGAAACGTCCTATTCATATAGG	120
Qy	41	IlePheLeuProThrIleTyrPheIleIlePheLeuThrGlyIleValGlyAsnGlyLeu	60
Db	121	ATCTTCTGCCACCACTACTTTCATCTCTTCTGACTGGCATAGTCGGCAATGGATTG	180
Qy	61	ValIleLeuValMetGlyTyrGlnLysLysLeuArgSerMetThrAspLysTyrArgLeu	80
Db	181	GTGATCCTGTCTATGGTTCACGAAGAAGCTAAGGAGCATGACGCAAGTACCGGCTG	240
Qy	81	HisLeuSerValAlaAspLeuLeuPheValIleThrLeuProPheTrpAlaValAspAla	100
Db	241	CACCTGTGAGTGGCTGACCTCTCTTGTTCATCACACTCCCTCTTCTGGGAGTTGATGC	300
Qy	101	MetAlaAspTrpTyrPheGlyLysPheLeuCysLysAlaValHisIleIleTyrThrVal	120
Db	301	ATGGCTGACTGGTACTTGGGAATTTTGTGTGAAGCTGTCCATATCATCTACACTGTC	360
Qy	121	AsnLeuTyrSerSerValLeuIleLeuAlaPheIleSerLeuAspArgTyrLeuAlaIle	140
Db	361	AACCTCTACAGCAGCGTCTCATCTGGCCCTTCATGACCTGGACCGTACCTCGGCATT	420
Qy	141	ValHisAlaThrAsnSerGlnArgProArgLysLeuLeuAlaGlyLysAlaValTyrVal	160
Db	421	GTCCAGCCCAACCAAGTCAAAGGCCCAAGAACTGCTGCTGAAAGGCGAGTCTATGTG	480
Qy	161	GlyValTrpIleProAlaLeuLeuThrIleProAspPheIlePheAlaAspValSer	180
Db	481	GGCGTCTGGATCCAGCCCTCTCTGACTATACCTGACTTTCATCTTTGCGGACGTGAGC	540
Qy	181	GlnGlyAspIleSerGlnGlyAspAspArgTyrIleCysAspArgLeuTyrProAspSer	200
Db	541	CAGGGGACATCATAGTCAGGGGATGACAGGTATCTGTGACCGCTTTTACCCCGATAGC	600
Qy	201	LeuTrpMetValValPheGlnPheGlnHisIleMetValGlyLeuIleLeuProGlyIle	220
Db	601	CTGTGGATGGTGTGTTTCAATTCAGCATATAATGGTGGTCTCATCTCTGCCGCGATC	660
Qy	221	ValIleLeuSerCysTyrCysIleIleIleSerLysLeuSerHisSerLysGlyHisGln	240
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Db	721	AAGCGAAGGCCCTCAAGACGACAGTATCTCATCTCTTCTTGTGCTGTGGCTG	780
Qy	261	ProTyrTyrValGlyIleSerIleAspSerPheIleLeuLeuGlyValIleLysGlnGly	280
Db	781	CCATATTATGTGGGATCAGCATCGACTCTTTCATCTCTTTGGGAGTCATCAAGCAAGGA	840
Qy	281	CysAspPheGluSerIleValHisLysTrpIleSerIleThrGluAlaLeuAlaPhePhe	300
Db	841	TGTGACTTCGAGACATGTGTGCAAGTGGATCTCCATCACAGAGGCCCTCGCCTTCTTC	900
Qy	301	HisCysLysLeuAsnProIleLeuTyrAlaPheLeuGlyAlaLysPheLysSerSerAla	320
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Qy	321	GlnHisAlaLeuAsnSerMetSerArgGlySerSerLeuLysIleLeuSerLysGlyLys	340
Db			

RESULT 2

US-10-486-706-54
 ; Sequence 54, Application US/10486706
 ; Publication No. US20050071088A1
 ; GENERAL INFORMATION:
 ; APPLICANT: LANDFIELD, PHILIP W.
 ; APPLICANT: BLALOCK, ERIC M.
 ; APPLICANT: CHEN, KUEY-CHU
 ; APPLICANT: FOSTER, THOMAS C.
 ; TITLE OF INVENTION: GENE EXPRESSION PROFILE BIOMARKERS AND THERAPEUTIC TARGETS FOR
 ; TITLE OF INVENTION: BRAIN AGING AND AGE-RELATED COGNITIVE IMPAIRMENT
 ; FILE REFERENCE: 50229-426
 ; CURRENT APPLICATION NUMBER: US/10/486,706
 ; PRIOR FILING DATE: 2004-02-13
 ; PRIOR APPLICATION NUMBER: PCT/US02/25607
 ; PRIOR FILING DATE: 2002-08-13
 ; PRIOR APPLICATION NUMBER: US 60/311,343
 ; PRIOR FILING DATE: 2001-08-13
 ; NUMBER OF SEQ ID NOS: 461
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 54
 ; LENGTH: 1050
 ; TYPE: DNA
 ; ORGANISM: Rattus norvegicus
 US-10-486-706-54

Alignment Scores:
 Pred. No.: 2,16e-183 Length: 1050
 Score: 1744.50 Matches: 338
 Percent Similarity: 96.61% Conservative: 4
 Best Local Similarity: 95.48% Mismatches: 7
 Query Match: 93.44% Indels: 5
 DB: 9 Gaps: 1

US-09-367-052-2 (1-359) x US-10-486-706-54 (1-1050)

Qy	6	ValSerIleTyrThrSerAspAsnTyrSerGluGluValGlySerGlyAspTyrAspSer	25
Db	1	ATGGAATATACACTTCGGATAACTACTCCGAAGAAGTAGGGTCTGGAGACTATGACTCC	60
Qy	26	AsnLysGluProCysPheArgAspGluAsnValHisPheAsnArgIlePheLeuProThr	45
Db	61	AACAAGGAACCCCTGCTTCGGGATGAAACGAAACTTCAACAGGATCTTCTGCCACC	120
Qy	46	IleTyrPheIleIlePheLeuThrGlyIleValGlyAsnGlyLeuValIleLeuValMet	65
Db	121	ATCTATTATCATCTTCTGACTGGCATAGTGGGCANTGGGTGGTATCTCTGGTCATG	180
Qy	66	GlyTyrGlnLysLysLeuArgSerMetThrAspLysTyrArgLeuHisLeuSerValAla	85
Db	181	GGTTACCAGAAGATGAGGAGCATGACAGACAGTACCGGCTGCACCTGTCCGTGGCT	240
Qy	86	AspLeuPheValIleThrLeuProPheTrpAlaValAspAlaMetAlaAspTrpTyr	105
Db	241	GACCTCTCTTGTTCATCATCTCCCTTCTGGGAGTGGACGCCATGGCTGACTGGTAC	300
Qy	106	PheGlyLysPheLeuCysLysAlaValHisIleIleTyrThrValAsnLeuTyrSerSer	125
Db	301	TTTGGGAATTTTATGTAGGCTGTGCATATCATCTACCGCTCAACCTTTACAGCAGT	360
Qy	126	ValLeuIleLeuAlaPheIleSerLeuAspArgTyrLeuAlaIleValHisAlaThrAsn	145
Db	361	GTCTCATCTCGSCCTTCATGACCTGGACCGCTACTCTTGCCATTGTCCACGCCCAAC	420
Qy	146	SerGlnArgProArgLysLeuLeuAlaGlyAlaValTyrValGlyValTyrIlePro	165
Db	421	AGCCAGAGCGCGAAGCTGTGGCTGAAAAGGCCGTCTATGTGGGTGTCTGATCCCC	480

QY 326 SerMetSerArgGlySerSerLeuLysLeuSerLysGlyLysArgGlyGlyHisSer 345
 Db 955 TCTGTGAGCAGAGGGTCCAGCCTCAAGATCTCTCCAAAGAAAGCGAGGTGACATTCA 1014
 QY 346 SerValSerThrGluSerGluSerSerPheHisSerSer 359
 Db 1015 TCTGTTTCCACTGAGTCTGAGTCTTCAAGTTTTCCTCCAGC 1056

RESULT 4
 US-10-014-322A-125
 ; Sequence 125, Application US/10014322A
 ; Publication No. US20030167129A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Neetor, Jr., John
 ; APPLICANT: Wilson, Carol
 ; APPLICANT: Tan Hehir, Christina
 ; APPLICANT: Kates, Steven
 ; APPLICANT: Krstenansky, John
 ; TITLE OF INVENTION: Binding Compounds and Methods for Identifying Binding Compounds
 ; FILE REFERENCE: CNS-008
 ; CURRENT APPLICATION NUMBER: US/10/014,322A
 ; CURRENT FILING DATE: 2002-07-08
 ; PRIOR APPLICATION NUMBER: US 60/243,587
 ; PRIOR FILING DATE: 2000-10-27
 ; PRIOR APPLICATION NUMBER: US 09/813,651
 ; PRIOR FILING DATE: 2001-03-20
 ; PRIOR APPLICATION NUMBER: US 09/813,653
 ; PRIOR FILING DATE: 2001-03-20
 ; PRIOR APPLICATION NUMBER: US 09/813,448
 ; PRIOR FILING DATE: 2001-03-20
 ; NUMBER OF SEQ ID NOS: 126
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 125
 ; LENGTH: 1059
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (1)..(1059)
 ; OTHER INFORMATION: human CXCR4 gene
 US-10-014-322A-125

Alignment Scores:
 Pred. No.: 4 81e-176 Length: 1059
 Score: 1678.50 Matches: 319
 Percent Similarity: 95.48% Conservative: 19
 Best Local Similarity: 90.11% Mismatches: 11
 Query Match: 89.90% Indels: 5
 DB: 6 Gaps: 1

US-09-367-052-2 (1-359) x US-10-014-322A-125 (1-1059)

QY 6 ValSerIleTyrThrSerAspAsnTyrSerGluValGlySerGlyAspTyrAspSer 25
 Db 10 ATCAGTATATACACTTCCAGATCTCTCCAAAGAAAGCGAGGTGACATTCA 1014
 QY 26 AsnLysGluProCysPheArgAspGluAsnValHisPheAsnArgIlePheLeuProThr 45
 Db 70 ATGAAGGAACCCCTGTTTCCGTGAAGAAATGCTTAATTTCAATAAATCTTCTCCGCCACC 129
 QY 46 IleTyrPheIleIlePheLeuGlyValGlyValAsnGlyLeuValIleLeuValMet 65
 Db 130 ATCTACTCCATCATCTCTTAATCGGATTTGGGCATGGATGGTTCATCTCGTTCATG 199
 QY 66 GlyTyrGlnLysLysLeuArgSerMetThrAspLysTyrArgLeuHisLeuSerValAla 85
 Db 190 GGTACCAGAAGAACTGAGAAGCATGACGCGAAGTACAGGCTGCACCTGTCTCAGTGGCC 249
 QY 86 AspLeuLeuPheValIleThrLeuProPheTrpAlaValAspAlaMetAlaAspTyrTyr 105
 Db 250 GACCTCTCTTGTTCATCAGCTTCCCTTCTGGCAGTTCATCGCGGCAAACTGGTAC 309
 QY 106 PheGlyLysPheLeuCysLysAlaValHisIleIleTyrThrValAsnLeuTyrSerSer 125

Db 310 TTTGGGAAGTCTCTTATGCAAGCAGTCCATGTCATCTACACAGTCAACCTCTACAGCAGT 369
 QY 126 ValLeuIleLeuAlaPheIleSerLeuAspArgTyrLeuAlaIleValHisAlaThrAsn 145
 Db 370 GTCTCTCATCTGGCCTTTCATGCTGGACCCCTACCTGGCCATCGTCCAGCCCAAC 429
 QY 146 SerGlnArgProArgLysLeuLeuAlaGluLysAlaValTyrValGlyValTrpIlePro 165
 Db 430 AGTCAGAGCCCAAGGAGCTGTGGCTGAAGAGTGTCTATGTTGGCCTCTGGATCCCT 489
 QY 166 AlaLeuLeuLeuThrIleProAspPheIlePheAlaAspValSerGlnGlyAspIleSer 185
 Db 490 GCCTCTCTGCTGACTATTCCGACTTCATCTTTGCCAAGCTC-----AGT 534
 QY 186 GlnGlyAspAspArgTyrIleCysAspArgLeuTyrProAspSerLeuTrpMetValVal 205
 Db 535 GAGGCAGATGACAGATATATCTGTGACCCCTTCTACCCCAATGACTGTGGGTGTGTG 594
 QY 206 PheGlnPheGlnHisIleMetValGlyLeuIleLeuProGlyIleValIleLeuSerCys 225
 Db 595 TTCCAGTTTCAGCAGCATCATGTTGGCCTTATCTTCGCTGTGTTGTTGTCATCTCTCTGC 654
 QY 226 TyrCysIleIleIleSerLysLeuSerHisSerLysGlyHisGlnLysArgLysAlaLeu 245
 Db 655 TATTGCATTATCATCTCCAAGCTGTCCACTCCAAGGGCCACCAAGAGCGCAAGGCCCTC 714
 QY 246 LysThrValIleLeuIleLeuAlaPhePheAlaCysTrpLeuProTyrTyrValGly 265
 Db 715 AAGACCACAGTTCATCTCTGCTTCTTCGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCT 774
 QY 266 IleSerIleAspSerPheIleLeuLeuGlyValIleLysGlnGlyCysAspPheGluSer 285
 Db 775 ATCAGCATCGACTCTCTTCTCTCTGGAATCATCAAGAGGGTGTGAGTTTGAGAAC 834
 QY 286 IleValHisLysTrpIleSerIleThrGluAlaLeuAlaPhePheHisCysCysLeuAsn 305
 Db 835 ACTGTGCACAGTGGATTTCCATCCAGGGCCCTAGCTTTCTTCCACTGTTGCTCTGAAC 894
 QY 306 ProlLeuTyrAlaPheLeuGlyAlaLysPheLysSerSerAlaGlnHisAlaLeuAsn 325
 Db 895 CCCATCTCTATGCTTCTCTGGAGCAAAATTTAAACCTCTGCCCGCAGCAGCAGTCCACC 954
 QY 326 SerMetSerArgLysSerSerLeuLysIleLeuSerLysGlyLysArgGlyGlyHisSer 345
 Db 955 TCTGTGAGCAGAGGGTCCAGCCTCAAGATCTCTCCAAAGAAAGCGAGGTGACATTCA 1014
 QY 346 SerValSerThrGluSerGluSerSerPheHisSerSer 359
 Db 1015 TCTGTTTCCACTGAGTCTGAGTCTTCAAGTTTTCCTCCAGC 1056

RESULT 5
 US-10-160-401-2
 ; Sequence 2, Application US/10160401
 ; Publication No. US20030207281A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Genaisance Pharmaceuticals, Inc.
 ; APPLICANT: Bentivegna, Steven C.
 ; APPLICANT: Bieglecki, Karyn M.
 ; APPLICANT: Koshiy, Beena
 ; APPLICANT: Monroe, Glen
 ; APPLICANT: Rounds, Eileen
 ; TITLE OF INVENTION: HAPLOTYPES OF THE CXCR4 GENE
 ; FILE REFERENCE: MWH-0121US
 ; CURRENT APPLICATION NUMBER: US/10/160,401
 ; CURRENT FILING DATE: 2002-05-03
 ; PRIOR APPLICATION NUMBER: PCT/US01/12268
 ; PRIOR FILING DATE: 2001-04-13
 ; PRIOR APPLICATION NUMBER: US 60/197,025
 ; PRIOR FILING DATE: 2000-04-13
 ; NUMBER OF SEQ ID NOS: 31
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 2

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; LENGTH: 1059
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-160-401-2

Alignment Scores:
Pred. No.: 4,81e-176 Length: 1059
Score: 1678.50 Matches: 319
Percent Similarity: 95.48% Conservative: 19
Best Local Similarity: 90.11% Mismatches: 11
Query Match: 89.90% Indels: 5
DB: 6 Gaps: 1

US-09-367-052-2 (1-359) x US-10-160-401-2 (1-1059)

Qy 6 ValSerIleTyrThrSerAspAsnTyrSerGluGluValGlySerGlyAspTyrAspSer 25
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Db 10 ATCAGTATATACACTTCAGATAACTACACCGAGAAATGGCTCAGGGAGACTATGACTCC 69

Qy 26 AsnLysGluProCysPheArgAspGluAsnValHisPheAsnArgIlePheLeuProThr 45
   ::::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 70 ATGAAGAACCTGTTTCCGTGAAGAAATGCTAAATTTCAATAAAATCTTCTGCCACC 129

Qy 46 IleTyrPheIleIlePheLeuThrGlyValGlyAsnGlyLeuValIleLeuValMet 65
   ::::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 130 ATTACTCCATCATCTCTTAACTGGCATTTGGGCAATGGATTGGTTCATCTGTCATG 189

Qy 66 GlyTyrGlnLysLysLeuArgSerMetThrAspLysTyrArgLeuHisLeuSerValAla 85
   ::::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 190 GGTACCAGAAAGAACTGAGAACATGACGACAGTACAGGCTGCACCTGTCTAGTGGCC 249

Qy 86 AspLeuLeuPheValIleThrLeuProPheTrpAlaValAspAlaMetAlaAspTrpTyr 105
   ::::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 250 GACCTCTCTTGTTCATCAGCTTCCCTTCTGGGCACTTGTATGCGTGGCAAACTGGTAC 309

Qy 106 PheGlyLysPheLeuCysLysAlaValHisIleIleTyrThrValAsnLeuTyrSerSer 125
   ::::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 310 TTTGGGAACCTTCTTATGCAAGGAGTCCATGTCTATCATCAGTCAACCTCTACAGCAGT 369

Qy 126 ValLeuIleLeuAlaPheIleSerLeuAspArgTyrLeuAlaIleValHisAlaThrAsn 145
   ::::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 370 GTCTCATCTCTGCGCTTCATCAGTCTGGACCGCTACCTGGCCATCGTCCACGCCAAC 429

RESULT 6
US-10-775-920-375
; Sequence 375, Application US/10775920
; Publication No. US2004017544A1
; GENERAL INFORMATION:
; APPLICANT: Mergen Ltd
; TITLE OF INVENTION: POLYNUCLEOTIDE SEQUENCES AND CORRESPONDING ENCODED POLYPEPTIDES
; TITLE OF INVENTION: OF PARTICULAR SECRETED AND MEMBRANE-BOUND PROTEINS OVEREXPRESSED
; FILE REFERENCE: Mergen - 00108
; CURRENT APPLICATION NUMBER: US/10/775,920
; PRIOR FILING DATE: 2004-02-10
; PRIOR APPLICATION NUMBER: US 60/447,900
; NUMBER OF SEQ ID NOS: 385
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 375
; LENGTH: 1059
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-775-920-375

Alignment Scores:
Pred. No.: 4,81e-176 Length: 1059
Score: 1678.50 Matches: 319
Percent Similarity: 95.48% Conservative: 19
Best Local Similarity: 90.11% Mismatches: 11
Query Match: 89.90% Indels: 5
DB: 6 Gaps: 1

US-09-367-052-2 (1-359) x US-10-775-920-375 (1-1059)

Qy 6 ValSerIleTyrThrSerAspAsnTyrSerGluGluValGlySerGlyAspTyrAspSer 25
   ::::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 10 ATCAGTATATACACTTCAGATAACTACACCGAGAAATGGCTCAGGGAGACTATGACTCC 69

Qy 26 AsnLysGluProCysPheArgAspGluAsnValHisPheAsnArgIlePheLeuProThr 45
   ::::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 70 ATGAAGAACCTGTTTCCGTGAAGAAATGCTAAATTTCAATAAAATCTTCTGCCACC 129

Qy 46 IleTyrPheIleIlePheLeuThrGlyValGlyAsnGlyLeuValIleLeuValMet 65
   ::::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 130 ATTACTCCATCATCTCTTAACTGGCATTTGGGCAATGGATTGGTTCATCTGTCATG 189

Qy 66 GlyTyrGlnLysLysLeuArgSerMetThrAspLysTyrArgLeuHisLeuSerValAla 85
   ::::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 190 GGTACCAGAAAGAACTGAGAACATGACGACAGTACAGGCTGCACCTGTCTAGTGGCC 249

Qy 86 AspLeuLeuPheValIleThrLeuProPheTrpAlaValAspAlaMetAlaAspTrpTyr 105
   ::::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 250 GACCTCTCTTGTTCATCAGCTTCCCTTCTGGGCACTTGTATGCGTGGCAAACTGGTAC 309

Qy 106 PheGlyLysPheLeuCysLysAlaValHisIleIleTyrThrValAsnLeuTyrSerSer 125
   ::::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 310 TTTGGGAACCTTCTTATGCAAGGAGTCCATGTCTATCATCAGTCAACCTCTACAGCAGT 369

Qy 126 ValLeuIleLeuAlaPheIleSerLeuAspArgTyrLeuAlaIleValHisAlaThrAsn 145
   ::::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 370 GTCTCATCTCTGCGCTTCATCAGTCTGGACCGCTACCTGGCCATCGTCCACGCCAAC 429
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146 SerGlnArgProArgLysLeuLeuAlaGluLysAlaValTyrValGlyValTrrpPro 165
 430 AGTCAGAGGCCAAGAGAGCTGTTGGCTGAAAGGTGTCTATGTTGGCTGATCCCT 489
 166 AlaLeuLeuLeuThrIleProAspPheIlePheAlaAspValSerGlnGlyAspIleSer 185
 490 GCCCTCTGCTGACTATTCGGACTTCATCTTTGCCAACGTC-----AGT 534
 186 GlnGlyAspAspArgTyrIleCysAspArgLeuTyrProAspSerLeuTrrpMetValVal 205
 535 GAGGCAGATGACAGATATATCTGTGACCGCTTCTACCCCAATGACTTGTGGGTGTG 594
 206 PheGlnPheGlnHisIleMetValGlyLeuLeuLeuProGlyIleValIleLeuSerCys 225
 595 TTCAGTTTCAGACATCATCTGGTGGCTTATCTGCTGGTATTTGTCATCTGCTGTC 654
 226 TyrCysIleIleIleSerLysLeuSerHisSerLysGlyHisGlnLysAlaLeu 245
 655 TATTGCAATTATCATCTCCAAGCTGTCCACTCCCAAGGGCCACCAGAGCGCAAGGCCCTC 714
 246 LysThrThrValIleLeuLeuLeuAlaPhePheAlaCysTrrpLeuProTyrTrrpValGly 265
 715 AAGACCACAGTCATCTCATCTGCTGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 774
 266 IleSerIleAspSerPheIleLeuLeuGlyValIleLysGlnGlyCysAspPheGluSer 285
 775 ATCAGATCGACTCTCTCATCTCTCCCTGGAATCATCAAGNAGGGTGTGATTTGAGAAC 834
 286 IleValHisLysIleIleSerIleThrGluAlaLeuAlaPhePheHisCysCysLeuAsn 305
 835 ACTGTGCACAGTGGATTTCCATCACCGAGCGCTAGCTTTCTCCACTGTTGCTGAAC 894
 306 ProIleLeuTyrAlaPheLeuGlyAlaLysPheLysSerSerAlaGlnHisAlaLeuAsn 325
 895 CCCATCTCTATGCTTCTCTTGGAGCCAAATTTAAACCTCTGCCAGCAGCACTCACC 954
 326 SerMetSerArgGlySerSerLeuLeuValIleLeuSerLysGlyLysArgGlyGlyHisSer 345
 955 TCTGTGAGCAGAGGGTCCAGCTCAAGATCTCTCCCAAGGAAGGAGGTGGACATTCA 1014
 346 SerValSerThrGluSerGluSerSerPheHisSerSer 359
 1015 TCTGTTTCCACTGAGTCTTCAAGTTTTCACCTCCAGC 1056

RESULT 7
 US-10-929-182-8
 ; Sequence 8, Application US/10929182
 ; Publication No. US20050064483A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Zang, Jingwu
 ; APPLICANT: Hong, Jian
 ; TITLE OF INVENTION: Gene Expression Profiling Technology for Treatment Evaluation of
 ; TITLE OF INVENTION: Multiple Sclerosis
 ; FILE REFERENCE: HO-P02859US1
 ; CURRENT APPLICATION NUMBER: US/10/929,182
 ; CURRENT FILING DATE: 2004-08-30
 ; PRIOR APPLICATION NUMBER: US 60/498,731
 ; PRIOR FILING DATE: 2003-08-28
 ; NUMBER OF SEQ ID NOS: 34
 ; SOFTWARE: PatentIn version 3.3
 ; SEQ ID NO 8
 ; LENGTH: 1059
 ; TYPE: DNA
 ; ORGANISM: HUMAN
 US-10-929-182-8

Alignment Scores:
 Pred. No.: 4,81e-176 Length: 1059
 Score: 1678.50 Matches: 319
 Percent Similarity: 95.48% Conservative: 19
 Best Local Similarity: 90.11% Mismatches: 11
 Query Match: 89.90% Indels: 5

DB: 9 Gaps: 1
 US-09-367-052-2 (1-359) x US-10-929-182-8 (1-1059)
 QY 6 ValSerIleTyrThrSerAspAsnTyrSerGluGluValGlySerGlyAspTyrAspSer 25
 DB 10 ATCAGTATATACATTTAGATACTACACCGAGGAATGGCTCAGGGAGCTATGACTCC 69
 QY 26 AsnLysGluProCysPheArgPheGluAsnValHisPheAsnArgIlePheLeuProThr 45
 DB 70 ATGAAGAAACCCCTGTTTCGTTGAAGAAATGCTAATTTCAATAAAATCTTCCTGCCACC 129
 QY 46 IleTyrPheIleIlePheLeuThrGlyIleValGlyAsnGlyLeuValIleLeuValMet 65
 DB 130 ATCTACTCCATCATCTTCTTAATCTGCAATTTGGCAATGGATTGCTCATCTCTGGTCATG 189
 QY 66 GlyTyrGlnLysLeuArgSerMetThrAspLysTyrArgLeuHisIleuSerValAla 85
 DB 190 GGTTCACAGAAAGAACTGAGAAAGCATGACGACCAAGTACAGGCTGCACCTGTGAGTGGCC 249
 QY 86 AspLeuLeuPheValIleThrLeuProPheTrrpAlaValAspAlaMetAlaAspTrrpTyr 105
 DB 250 GACCTCTCTTGTTCATCAGCTTCCCTTCTGGGAGTGTGATGCCGTGGCAAACTGGTAC 309
 QY 106 PheGlyLysPheLeuCysLysAlaValHisIleIleTyrThrValAsnLeuTyrSerSer 125
 DB 310 TTTGGGAACCTTCTATGCAAGGAGTCCATGTCATCTACACAGTCAACCTCTACACAGCT 369
 QY 126 ValLeuIleLeuAlaPheIleSerLeuAspArgTyrLeuAlaIleValHisAlaThrAsn 145
 DB 370 GTCTCTCATCTGCTGCTTTCATGTCGACCGCTACCTGCGCATCTGCACGCCACCAAC 429
 QY 146 SerGlnArgProArgLysLeuLeuAlaGluLysAlaValTyrValGlyValTrrpPro 165
 DB 430 AGTCAGAGGCCAAGAGAGCTGTTGGCTGAAAGGTGTCTATGTTGGCTGCTGATCCCT 489
 QY 166 AlaLeuLeuLeuThrIleProAspPheIlePheAlaAspValSerGlnGlyAspIleSer 185
 DB 490 GCCCTCTCTGCTGACTATTTCCGACTTTCATCTTTGCCAACGTC-----AGT 534
 QY 186 GlnGlyAspAspArgTyrIleCysAspArgLeuTyrProAspSerLeuTrrpMetValVal 205
 DB 535 GAGGCAGATGACAGATATATCTGTGACCGCTTCTACCCCAATGACTTGTGGGTGTG 594
 QY 206 PheGlnPheGlnHisIleMetValGlyLeuLeuLeuProGlyIleValIleLeuSerCys 225
 DB 595 TTCAGTTTCAGACATCATCTGGTGGCTTATCTGCTGGTATTTGTCATCTGCTGCTGTC 654
 QY 226 TyrCysIleIleIleSerLysLeuSerHisSerLysGlyHisGlnLysAlaLeu 245
 DB 655 TATTGCAATTATCATCTCCAAGCTGTCCACTCCCAAGGGCCACCAGAGCGCAAGGCCCTC 714
 QY 246 LysThrThrValIleLeuLeuAlaPhePheAlaCysTrrpLeuProTyrTrrpValGly 265
 DB 715 AAGACCACAGTCATCTCATCTGCTGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 774
 QY 266 IleSerIleAspSerPheIleLeuLeuGlyValIleLysGlnGlyCysAspPheGluSer 285
 DB 775 ATCAGATCGACTCTCTCATCTCTCCCTGGAATCATCAAGCAAGGGTGTGATTTGAGAAC 834
 QY 286 IleValHisLysIleIleSerIleThrGluAlaLeuAlaPhePheHisCysCysLeuAsn 305
 DB 835 ACTGTGCACAGTGGATTTCCATCACCGAGGGCTAGCTTTCTCCACTGTTGCTGAAC 894
 QY 306 ProIleLeuTyrAlaPheLeuGlyAlaLysPheLysSerSerAlaGlnHisAlaLeuAsn 325
 DB 895 CCCATCTCTATGCTTCTCTTGGAGCCAAATTTAAACCTCTGCCAGCAGCACTCACC 954
 QY 326 SerMetSerArgGlySerSerLeuLeuValIleLeuSerLysGlyLysArgGlyGlyHisSer 345
 DB 955 TCTGTGAGCAGAGGGTCCAGCTCAAGATCTCTCCCAAGGAAGGAGGTGGACATTCA 1014
 QY 346 SerValSerThrGluSerGluSerSerPheHisSerSer 359

Db 1015 TCTGTTTCCACTGAGTCTGAGTCTTCAAGTTTTCACCTCCAGC 1056
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RESULT 8

US-10-985-324-1
; Sequence 1, Application US/10985324
; Publication No. US20050202019A1
; GENERAL INFORMATION:
; APPLICANT: Northwest Biotherapeutics, Inc.
; APPLICANT: Murphy, Gerald P.
; APPLICANT: Boynton, Alton L.
; APPLICANT: Sehgal, Anil
; TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC APPLICATIONS BASED ON THE
; FILE OF INVENTION: ROLE OF THE CXCR-4 GENE IN TUMORIGENESIS
; FILE REFERENCE: 20093-000600PC
; CURRENT FILING DATE: 2004-11-09
; PRIOR APPLICATION NUMBER: US/09/647,501
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/079,916
; PRIOR FILING DATE: 1998-03-30
; PRIOR APPLICATION NUMBER: 60/104,656
; PRIOR FILING DATE: 1998-10-16
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1059
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-985-324-1

Alignment Scores:

Pred. No.: 4,91e-176 Length: 1059
Score: 1678.50 Matches: 319
Percent Similarity: 95.48% Conservative: 19
Best Local Similarity: 90.11% Mismatches: 11
Query Match: 89.90% Indels: 5
DB: 9 Gaps: 1

US-09-367-052-2 (1-359) x US-10-985-324-1 (1-1059)

QY 6 ValSerIleTyrThrSerAspPheLeuValGlySerGlyAspTyrAspSer 25
Db 10 ATGATATATACACTTACAGATAATACACAGAGAAATGGCTCAGGGGACTATGACTCC 69
QY 26 AsnLysGluProCysPheArgAspGluAsnValHisPheAsnArgIlePheLeuProThr 45
Db 70 ATGAGGAACCTGTTCCGTGAGAAATGCTAATTTCAATAATCTTCTGCCCACC 129
QY 46 IleTyrPheIlelePheLeuThrGlyIleValGlyAsnGlyLeuValIleLeuValMet 65
Db 130 ATCTACTCCATCATCTTCTTAACTGGCATTTGGGCAATGGATTGGTTCATCTGGTCATG 189
QY 66 GlyTyrGlnLysLysLeuArgSerMetThrAspLysTyrArgLeuHisLeuSerValAla 85
Db 190 GGTTCACAGAAGAACTGAGAAGCATGACGCAAGTACAGGCTGCACCTGTGAGTGGCC 249
QY 86 AspLeuLeuPheValIleThrLeuPropheTyrAlaValAspAlaMetAlaAspTyrTyr 105
Db 250 GACCTCTCTTTGTATCATCGCTTCCCTTCTGGCAGTTGATGCCGTGGCAAACTGGTAC 309
QY 106 PheGlyLysPheLeuCysLysAlaValHisIleIleTyrThrValAsnLeuTyrSerSer 125
Db 310 TTTGGGAACCTTCATGCAAGGCAGTCCATGTCATCATCAGTCAACCTCTACAGCAGT 369
QY 126 ValLeuIleLeuAlaPheIleSerLeuAspArgTyrLeuAlaIleValHisAlaThrAsn 145
Db 370 GTCTCTATCTGGCCCTTCATCATGCTGGACCGTACTCGGCCATCGTCCACGCGCAAC 429
QY 146 SerGlnArgProArgLysLeuLeuAlaGluLysAlaValTyrValGlyValTyrIlePro 165
Db 430 AGTCAGAGGCCAAGGAAGCTGTGTGGCTGAAAGGTGTCTATGTTGGCGTCTGGATCCCT 489

QY 166 AlaLeuLeuLeuThrIleProAspPheIlePheAlaAspValSerGlnGlyAspIleSer 185
Db 490 GCCCTCTCTGCTGACTATTCCGAGCTTTCATCTTTGCCAACGTC-----AGT 534
QY 186 GlnGlyAspAspArgTyrIleCysAspArgLeuTyrProAspSerLeuTyrMetValVal 205
Db 535 GAGCGATGACAGATATATCTGTGACCGCTTACCCCAATGACTTGTGGGTGGTTGTG 594
QY 206 PheGlnPheGlnHisIleMetValGlyLeuIleLeuProGlyIleValIleLeuSerCys 225
Db 595 TTCAGTTTTCAGCACATCATGTTGGCTTATCTGCTGGTATTGTTCATCTCTGCTGTC 654
QY 226 TyrCysIleIleIleSerLysLeuSerHisSerLysGlyHisGlnLysArgLysAlaLeu 245
Db 655 TATTGCAATTATCATCTCCAAGCTGTCCACTCCAAGGCCACCAGAAAGCGCAAGGCCCTC 714
QY 246 LysThrThrValIleLeuIleLeuAlaPhePheAlaCysTrpLeuProTyrTyrValGly 265
Db 715 AAGACACAGTCATCTCTGCTGCTTCTTCCCTGTTGGCTGCTTACTACTACTTGGG 774
QY 266 IleSerIleAspSerPheIleLeuLeuGlyValIleLysGlnGlyCysAspPheGluSer 285
Db 775 ATCAGCATGACTCTCTTCATCTCTCTGGAATCATCAAGCAAGGTTGTGAGTTGAGAAC 834
QY 286 IleValHisLysTrpIleSerIleThrGluAlaLeuAlaPhePheHisCysCysLeuAsn 305
Db 835 ACTGTGCACAAAGTGGATTTCCATCAGCGAGGCCCTAGCTTTCTTCCACTGTGTCTGAAC 894
QY 306 ProIleLeuTyrAlaPheLeuGlyAlaLysPheLysSerSerAlaGlnHisAlaLeuAsn 325
Db 895 CCATCTCTATGCTTCTCTTGGAGGCAAAATTAACCTCTGCCAGCAGGCACTCACC 954
QY 326 SerMetSerArgGlySerSerLeuLysIleLeuSerLysGlyLysArgGlyGlyHisSer 345
Db 955 TCTGTGAGCAGAGGGTCCAGCTCAAGATCTCTCCAAAGAAAGCGAGGTGGACATTCA 1014
QY 346 SerValSerThrGluSerGluSerSerPheHisSerSer 359
Db 1015 TCTGTTTCCACTGAGTCTGAGTCTTCAAGTTTTCACCTCCAGC 1056

RESULT 9
US-10-101-510-741
; Sequence 741, Application US/10101510
; Publication No. US20030148295A1
; GENERAL INFORMATION:
; APPLICANT: WANG, JACKSON
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: EXPRESSION PROFILES AND METHODS OF USE
; FILE REFERENCE: 15117.0012
; CURRENT APPLICATION NUMBER: US/10/101,510
; CURRENT FILING DATE: 2002-03-20
; PRIOR APPLICATION NUMBER: 60/276,947
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 805
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 741
; LENGTH: 1225
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-101-510-741

Alignment Scores:
Pred. No.: 6.02e-176 Length: 1225
Score: 1678.50 Matches: 319
Percent Similarity: 95.48% Conservative: 19
Best Local Similarity: 90.11% Mismatches: 11
Query Match: 89.90% Indels: 5
DB: 6 Gaps: 1

US-09-367-052-2 (1-359) x US-10-101-510-741 (1-1225)

QY 6 ValSerIleTyrThrSerAspPheTyrSerGluValGlySerGlyAspTyrAspSer 25
Db 1015 TCTGTTTCCACTGAGTCTGAGTCTTCAAGTTTTCACCTCCAGC 1056

35 ATCAGTATATACACTTCAGATAACTACACCGAGGAAATGGCTCAGGGAGCTATGACTCC 94
 26 AsnLysGluProCysPheArgAspGluAsnValHisPheAsnArgIlePheLeuProThr 45
 95 ATGAAGGAACCTGTTTCCGTAAGAAATGCTAAATTTCAATAAAATCTTCTCGCCACC 154
 46 IleTyrPheIleIlePheLeuThrGlyIleValGlyAsnGlyLeuValIleLeuValMet 65
 155 ATCTACTCCATCATCTTCTTAATCGCATTTGGGCAATGGATGGTTCATCTGGTCAATG 214
 66 GlyTyrGlnLysLysLeuArgSerMetThrAspLysTyrArgLeuHisLeuSerValAla 85
 215 GGTACCAGAAAGAACTGAGAACGATGACGACAGTACAGGCTGCACCTGTGAGTGGCC 274
 86 AspLeuLeuPheValIleThrLeuProPheThrAlaValAspAlaMetAlaAspTyrTyr 105
 275 GACCTCTCTTGTCTACAGCTTCCTTCTGGGCAATGGATGGTTCATCTGGTCAATG 334
 106 PheGlyLysPheLeuCysLysAlaValHisIleIleTyrThrValAsnLeuTyrSerSer 125
 335 TTGGAAGAACTTCTATGCAAGGAGTCCATGTCTATCACAGTCAACCTCTACAGAGT 394
 126 ValLeuIleLeuAlaPheIleSerLeuAspArgTyrLeuAlaIleValHisAlaThrAsn 145
 395 GTCTCTCATCTCGCTTCTCATGCTGGACCGCTACCTGGCCATCGTCCACGCCCAAC 454
 146 SerGlnArgProArgLysLeuLeuAlaGluLysAlaValTyrValGlyValTrpIlePro 165
 455 AGTCAGAGGCAAGGAAGCTGTTGGCTGAAGAAATGCTAATTTCAATAAAATCTTCTCGCCACC 514
 166 AlaLeuLeuLeuThrIleProAspPheIlePheAlaAspValSerGlnGlyAspIleSer 185
 515 GCCTCTCTGCTGACTATATCCGACTTTCATCTTGGCAACGTC-----AGT 559
 186 GlnGlyAspAspArgTyrIleCysAspArgLeuTyrProAspSerLeuTrpMetValVal 205
 560 GAGGAGAGTACAGATATATCTGTGACCGCTTCTACCCCAATGACTTGTGGGTGGTGTG 619
 206 PheGlnPheGlnHisIleMetValGlyLeuIleLeuProGlyIleValIleLeuSerCys 225
 620 TTCCAGTTTTCAGCACATCATGTTGGCTTATCTGCTGCTGATTTGTCATCTGCTGCTGC 679
 226 TyrCysIleIleIleSerLysLeuSerHisSerLysGlyHisGlnLysArgLysAlaLeu 245
 680 TATTGATATATCATCTCCAGCTGTACACTCCAGGCGCCAGAGCGCCAGAGCCCTC 739
 246 LysThrThrValIleLeuAlaPhePheAlaCysThrLeuProTyrTyrValGly 265
 740 AAGACACAGTATCTCATCTCGCTTCTTCTGCGCTTGTGGCTGCTTACTACTATGGG 799
 266 IleSerIleAspSerPheIleLeuLeuGlyValIleLysGlnGlyCysAspPheGluSer 285
 800 ATCAGATCATCTCTTCTCATCTCTGGAATCATCAAGCAAGGGGTGTGAGTTTGAAC 859
 286 IleValHisLysTrpIleSerIleThrGluAlaLeuAlaPhePheHisCysLysLeuAsn 305
 860 ACTGTGCACAGTGGATTTCCATCAGGAGGCTAGCTTCTTCCACTGTGTCTGAAC 919
 306 ProIleLeuTyrAlaPheLeuGlyAlaLysPheLysSerSerAlaGlnHisAlaLeuAsn 325
 920 CCCATCTCTATGCTTTCTTGGAGCCAAATTTAAACCTCTGCCAGCAGCACCTCACC 979
 326 SerMetSerArgGlySerSerLeuLysIleLeuSerLysGlyLysArgGlyGlyHisSer 345
 980 TCTGTGAGCAGAGGGTCCAGCTCTCAAGATCTCTCCAAAGAAAGGAGGTGGACATTC 1039
 346 SerValSerThrGluSerGluSerSerSerPheHisSerSer 359
 1040 TCTGTTTCCACTGAGTCTGAGTCTTCAAGTTTTCACCTCCAGC 1081

RESULT 10
 US-10-305-720-1235
 ; Sequence 1235, Application US/10305720

; Publication No. US20040010136A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Au-Young, Janice K.; Seilhamer, Jeffrey J.
 ; TITLE OF INVENTION: Composition for the Detection of Signaling Pathway Gene Expression
 ; FILE REFERENCE: PA-0002-1 CON
 ; CURRENT APPLICATION NUMBER: US/10/305,720
 ; CURRENT FILING DATE: 2002-11-26
 ; PRIOR APPLICATION NUMBER: 09/016,434
 ; PRIOR FILING DATE: 1998-01-30
 ; NUMBER OF SEQ ID NOS: 1490
 ; SOFTWARE: PERL Program
 ; SEQ ID NO 1235
 ; LENGTH: 1225
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; OTHER INFORMATION: GenBank ID No. US20040010136A1 g189313
 US-10-305-720-1235
 Alignment Scores:
 Pred. No.: 6,02e-176 Length: 1225
 Score: 1678.50 Matches: 319
 Percent Similarity: 95.48% Conservative: 19
 Best Local Similarity: 90.11% Mismatches: 11
 Query Match: 89.90% Indels: 5
 DB: 6 Gaps: 1
 US-09-367-052-2 (1-359) x US-10-305-720-1235 (1-1225)
 QY 6 ValSerIleTyrThrSerAspAsnTyrSerGluGluValGlySerGlyAspTyrAspSer 25
 DB 35 ATCAGTATATACACTTCAGATAACTACACCGAGGAAATGGCTCAGGGAGCTATGACTCC 94
 QY 26 AsnLysGluProCysPheArgAspGluAsnValHisPheAsnArgIlePheLeuProThr 45
 DB 95 ATGAAGGAACCTGTTTCCGTAAGAAATGCTAATTTCAATAAAATCTTCTCGCCACC 154
 QY 46 IleTyrPheIleIlePheLeuThrGlyIleValGlyAsnGlyLeuValIleLeuValMet 65
 DB 155 ATCTACTCCATCATCTTCTTAATCGCATTTGGGCAATGGATGGTTCATCTGGTCAATG 214
 QY 66 GlyTyrGlnLysLysLeuArgSerMetThrAspLysTyrArgLeuHisLeuSerValAla 85
 DB 215 GGTACCAGAAAGAACTGAGAACGATGACGACAGTACAGGCTGCACCTGTGAGTGGCC 274
 QY 86 AspLeuLeuPheValIleThrLeuProPheThrAlaValAspAlaMetAlaAspTyrTyr 105
 DB 275 GACCTCTCTTGTCTACAGCTTCCTTCTGGGCAATGGATGGTTCATCTGGTCAATG 334
 QY 106 PheGlyLysPheLeuCysLysAlaValHisIleIleTyrThrValAsnLeuTyrSerSer 125
 DB 335 TTGGAAGAACTTCTATGCAAGGAGTCCATGTCTATCACAGTCAACCTCTACAGAGT 394
 QY 126 ValLeuIleLeuAlaPheIleSerLeuAspArgTyrLeuAlaIleValHisAlaThrAsn 145
 DB 395 GTCTCTCATCTCGCTTCTCATGCTGGACCGCTACCTGGCCATCGTCCACGCCCAAC 454
 QY 146 SerGlnArgProArgLysLeuLeuAlaGluLysAlaValTyrValGlyValTrpIlePro 165
 DB 455 AGTCAGAGGCAAGGAAGCTGTTGGCTGAAGAAATGCTAATTTCAATAAAATCTTCTCGCCACC 514
 QY 166 AlaLeuLeuLeuThrIleProAspPheIlePheAlaAspValSerGlnGlyAspIleSer 185
 DB 515 GCCTCTCTGCTGACTATATCCGACTTTCATCTTGGCAACGTC-----AGT 559
 QY 186 GlnGlyAspAspArgTyrIleCysAspArgLeuTyrProAspSerLeuTrpMetValVal 205
 DB 560 GAGGAGAGTACAGATATATCTGTGACCGCTTCTACCCCAATGACTTGTGGGTGGTGTG 619
 QY 206 PheGlnPheGlnHisIleMetValGlyLeuIleLeuProGlyIleValIleLeuSerCys 225
 DB 620 TTCCAGTTTTCAGCACATCATGTTGGCTTATCTGCTGCTGATTTGTCATCTGCTGCTGC 679

QY 226 TyrCysIleIleIleSerLysLeuSerHisSerLysGlyHisGlnLysArgLysAlaLeu 245
Db 680 TATTGCAATTATCATCTCCAAGCTGTCTCACTCCCAAGGGCCACCAAGAGCGCAAGGCCCTC 739
QY 246 LysThrThrValIleLeuIleLeuAlaPhePheAlaCysThrLeuProTyrTyrValGly 265
Db 740 AAGACCAAGTGTATCTCTCCCTGGCTTCTCTGGCTGTGGCTGTCTTACTACATTTGGG 799
QY 266 IleSerIleAspSerPheIleLeuLeuGlyValIleLysGlnGlyCysAspPheGluSer 285
Db 800 ATCAGCATCGACTCTCTTCATCTCTGAAATCATCAAGCAAGGGTGTGAGTTTGAGAAC 859
QY 286 IleValHisLysTrpIleSerIleThrGluAlaLeuAlaPhePheHisCysCysLeuAsn 305
Db 860 ACTGTGCACAAAGTGGATTTCATCCAGCGAGCCCTAGCTTTCTTCCACTGTGTCTGAAC 919
QY 306 ProIleLeuTyrAlaPheLeuGlyAlaLysPheLysSerSerAlaGlnHisAlaLeuAsn 325
Db 920 CCATCTCTATGCTTTCTTGGAGCCAAATTTAAACCTCTGCCAGCAGCACTCACC 979
QY 326 SerMetSerArgGlySerSerLeuLysIleLeuSerLysGlyLysArgGlyGlyHisSer 345
Db 980 TCTGTGAGCAGAGGTCAGCTCAAGCTCTCTCCAAAGGAAAGCGAGGTGGACATTCA 1039
QY 346 SerValSerThrGluSerGluSerSerPheHisSerSer 359
Db 1040 TCTGTCTTCCACTGAGTGTCAAGTCTTCAAGTTTTCACCTCCAGC 1081

RESULT 11

US-10-775-920-370
; Sequence 370, Application US/10775920
; Publication No. US2004017544A1
; GENERAL INFORMATION:
; APPLICANT: Merzen Ltd
; TITLE OF INVENTION: POLYNUCLEOTIDE SEQUENCES AND CORRESPONDING ENCODED POLYPEPTIDES
; TITLE OF INVENTION: OF PARTICULAR SECRETED AND MEMBRANE-BOUND PROTEINS OVEREXPRESSED
; FILE REFERENCE: Merzen - 0010B
; CURRENT APPLICATION NUMBER: US/10/775,920
; PRIOR FILING DATE: 2004-02-10
; PRIOR APPLICATION NUMBER: US 60/447,900
; NUMBER OF SEQ ID NOS: 385
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 370
; LENGTH: 1225
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-775-920-370

Alignment Scores:
Pred. No.: 6 02e-176 Length: 1225
Score: 1678.50 Matches: 319
Percent Similarity: 95.48% Conservative: 19
Best Local Similarity: 90.11% Mismatches: 11
Query Match: 89.90% Indels: 5
DB: 8 Gaps: 1

US-09-367-052-2 (1-359) x US-10-775-920-370 (1-1225)

QY 6 ValSerIleTyrThrSerAspAsnTyrSerGluValGlySerGlyAspTyrAspSer 25
Db 35 ATCAGTATATACACTTCCAGATACTACACCGAGAAATGGCTCAGGGAGCTATGACTCC 94
QY 26 AsnLysGluProCysPheArgAspGluAsnValHisPheAsnArgIlePheLeuProThr 45
Db 95 ATGAAGGAACCCCTGTTCCTCGTGAAGAAATGCTAAATTTCAATAAAATCTTCTGCCACC 154
QY 46 IleTyrPheIleIlePheLeuThrGlyValGlyAsnGlyLeuValIleLeuValMet 65
Db 155 ATCTACTCCATCATCTCTTAACTGGCAATGTGGCAATGGATGGTCACTCTGGTCATG 214

RESULT 12

US-10-785-230-2
; Sequence 2, Application US/10785230
; Publication No. US20040209837A1
; GENERAL INFORMATION:
; APPLICANT: KISHIMOTO, Tadamiu
; APPLICANT: NAGASAWA, Takashi
; APPLICANT: TACHIBANA, Kazunobu
; APPLICANT: CHUGAI SEIYAKU KABUSIKI KAISHA
; TITLE OF INVENTION: Vascularization Inhibitors
; FILE REFERENCE: 46124-5042-US
; CURRENT APPLICATION NUMBER: US/10/785,230
; CURRENT FILING DATE: 2004-02-25

QY 66 GlyTyrGlnLysLysLeuArgSerMetThrAspLysTyrArgLeuHisLeuSerValAla 85
Db 215 GGTATACAGAAAGAACTGAGAACATGACGAGCAAGTACAGGCTGCACCTGTGAGTGGCC 274
QY 86 AspLeuLeuPheValIleThrLeuProPheTrpAlaValAspAlaMetAlaAspTrpTyr 105
Db 275 GACCTCTCTTGTGTATCATCGCTTCCCTCTGGGCAAGTGTATGCTGGGCAAACTGGTAC 334
QY 106 PheGlyLysPheLeuCysLysAlaValHisIleIleTyrThrValAsnLeuTyrSerSer 125
Db 335 TTTGGGAACCTTCTATGCAAGGAGTCCATGTCTATACACAGTCAACCTCTACAGCAGT 394
QY 126 ValLeuIleLeuAlaPheIleSerLeuAspArgTyrLeuAlaIleValHisAlaThrAsn 145
Db 395 GTCTCTATCTGGCTTTCATCAGTCTGGACCGCTACCTGGCCATGCTGCACGCCCAAC 454
QY 146 SerGlnArgProArgLysLeuLeuAlaGluLysAlaValTyrValGlyValTrpIlePro 165
Db 455 AGTCAGAGGCCAAGGAAGCTGTGGCTGAAAGGTGTCTATGTTGGCGTCTGGATCCCT 514
QY 166 AlaLeuLeuLeuThrIleProAspPheIlePheAlaAspValSerGlnGlyAspIleSer 185
Db 515 GCCTCTCTGCTGACTATTCGAGCTTCTATCTTGGCCACGTC-----AGT 559
QY 186 GlnGlyAspAspArgTyrIleCysAspArgLeuTyrProAspSerLeuTrpMetValVal 205
Db 560 GAGGCGAGTGCAGATATATCTGTGACCGCTTCTACCCCAATGACTGTGGTGGTGTG 619
QY 206 PheGlnPheGlnHisIleMetValGlyLeuLeuProGlyIleValIleLeuSerCys 225
Db 620 TTCCAGTTTCCAGCAGCATCATGTTGGCTTATCTGCTGGTATTTGTCATCTCTGCTGC 679
QY 226 TyrCysIleIleIleSerLysLeuSerHisSerLysGlyHisGlnLysArgLysAlaLeu 245
Db 680 TATTGCAATTATCATCTCCAAGCTGTCCACTCCCAAGGGCCACCAAGAGCGCAAGGCCCTC 739
QY 246 LysThrThrValIleLeuIleLeuAlaPhePheAlaCysTrpLeuProTyrTyrValGly 265
Db 740 AAGACCACAGTCACTCTCTGCTGCTTCTTCTGCTGTGGCTGTGCTTACTACTATGGG 799
QY 266 IleSerIleAspSerPheIleLeuLeuGlyValIleLysGlnGlyCysAspPheGluSer 285
Db 800 ATCAGCATCGACTCTCTTCATCTCTCGAAATCATCAAGCAAGGGTGTGAGTTTGAGAAC 859
QY 286 IleValHisLysTrpIleSerIleThrGluAlaLeuAlaPhePheHisCysCysLeuAsn 305
Db 860 ACTGTGCACAAAGTGGATTTCATCCAGCGAGCCCTAGCTTTCTTCCACTGTGTCTGAAC 919
QY 306 ProIleLeuTyrAlaPheLeuGlyAlaLysPheLysSerSerAlaGlnHisAlaLeuAsn 325
Db 920 CCATCTCTATGCTTTCTTGGAGCCAAATTTAAACCTCTGCCAGCAGCACTCACC 979
QY 326 SerMetSerArgGlySerSerLeuLysIleLeuSerLysGlyLysArgGlyGlyHisSer 345
Db 980 TCTGTGAGCAGAGGTCAGCTCAAGCTCTCCAAAGGAAAGCGAGGTGGACATTCA 1039
QY 346 SerValSerThrGluSerGluSerSerPheHisSerSer 359
Db 1040 TCTGTCTTCCACTGAGTGTCAAGTCTTCAAGTTTTCACCTCCAGC 1081

;; PRIOR APPLICATION NUMBER: PCT/JP99/01448
;; PRIOR FILING DATE: 1999-03-23
;; PRIOR APPLICATION NUMBER: JP10/95448
;; PRIOR FILING DATE: 1998-03-24
;; NUMBER OF SEQ ID NOS: 12
;; SEQ ID NO 2
;; LENGTH: 1588
;; TYPE: DNA
;; ORGANISM: Mus
;; FEATURE:
;; NAME/KEY: CDS
;; LOCATION: (1)...(1059)
US-10-785-230-2

Alignment Scores:
Pred. No.: 8,97e-176 Length: 1588
Score: 1678.50 Matches: 319
Percent Similarity: 95.48% Conservative: 19
Best Local Similarity: 90.11% Mismatches: 11
Query Match: 89.90% Indels: 5
DB: 8 Gaps: 1

US-09-367-052-2 (1-359) x US-10-785-230-2 (1-1588)

QY 6 ValSerIleTyrThrSerAspAenTyrSerGluGluValGlySerGlyAspTyrAspSer 25
DB 10 ATCAGTATATACACTTCAGNATACTACACCGAGGAAATGGGCTCAGGGNACTAGCTCC 69
QY 26 AsnLysGluProCysPheArgAspGluAsnValIlePheAsnArgIlePheLeuProThr 45
DB 70 ATGAAGGAACCCGTGTTCCGTGAAGAAATGCTAAATTCATAAATCTTCCTGCCACC 129
QY 46 IleTyrPheIlelePheLeuThrGlyIleValGlyAsnGlyLeuValIleLeuValMet 65
DB 130 ATCTACTCCATCATCTTCTTAACTGGCATTTGGGCAATGGATTGGTCATCTCGTGGTCATG 189
QY 66 GlyTyrGlnLysLysLeuArgSerMetThrAspLysTyrArgLeuHisLeuSerValAla 85
DB 190 GGTACAGAGAAATGAGAACATGACGACAGTACAGGCTGACCTGTGAGTGGCC 249
QY 86 AspLeuLeuPheValIleThrLeuProPheTrpAlaValAspAlaMetAlaAspTrpTyr 105
DB 250 GACCTCTCTTGTGATCATCGCTTCCCTTCTGGCGCATTTGATCGCGTGGCAAACTGGTAC 309
QY 106 PheGlyLysPheLeuCysLysAlaValHisIleIleTyrThrValAsnLeuTyrSerSer 125
DB 310 TTTGGGAACCTTCTATGCAAGGCAGTCCATGTCTATCTACACAGTCAACCTCTACAGAGT 369
QY 126 ValLeuIleLeuAlaPheIleSerLeuAspArgTyrLeuAlaIleValHisAlaThrAsn 145
DB 370 GTCTCTATCTGGCCCTTCATCAGTCTGGACCGTACTCTGGCCATCGTCCACGCCACCCAC 429
QY 146 SerGlnArgProArgLysLeuLeuAlaGluLysAlaValTyrValGlyValTrpIlePro 165
DB 430 AGTCAGAGGCCAAGGAAGCTGTTGGCTGAAAGGTGCTATGTTGGCGTCTGGATCCCT 489
QY 166 AlaLeuLeuLeuThrIleProAspPheIlePheAlaAspValSerGlnGlyAspIleSer 195
DB 490 GCCCTCTGTGATATATCCGCACTTCATCTTTGGCAACGTC-----AGT 534
QY 186 GlnGlyAspAspArgTyrIleCysAspArgLeuTyrProAspSerLeuTrpMetValVal 205
DB 535 GAGGCGAGATGACAGATATATCTGTGACCGCTTACCCCAATGACTTGTGGGTGGTGTG 594
QY 206 PheGlnPheGlnHisIleMetValGlyLeuIleLeuProGlyIleValIleLeuSerCys 225
DB 595 TTCCAGTTTCAGCACATCATGTTGGCTTATCTGCTGGTATGTCATCTCTGCTGCTGC 654
QY 226 TyrCysIleIleIleSerLysLeuSerHisSerLysGlyHisGlnLysArgLysAlaLeu 245
DB 655 TATTGCAATTATCATCTCAAGCTGTCTACCTCAAGGGGCCACAGAGCGCGCAAGGGCCCTC 714
QY 246 LysThrThrValIleLeuIleAlaPhePheAlaCysTrpLeuProTyrTyrValGly 265

DB 715 AAGACACAGTCATCTCATCTCGCTTCTTCTCGCTGCTGCTTACTACATGGG 774
QY 266 IleSerIleAspSerPheIleLeuLeuGlyValIleLysGlnGlyCysAspPheGluSer 285
DB 775 ATCAGCATCGACTCTTCTATCTCTCTGGAAATCATCAAGCAAGGGGTGAGTTTGAAC 834
QY 286 IleValHisLysTrpIleSerIleThrGluAlaLeuAlaPhePheHisCysCysLeuAsn 305
DB 835 ACTGTGCACAGTGGATTTCATCATCCGAGGCCCTAGCTTTCTTCACCTGTGTCTGAAC 894
QY 306 ProIleLeuTyrAlaPheLeuGlyAlaLysPheLysSerSerAlaGlnHisAlaLeuAsn 325
DB 895 CCATCTCTATGCTTCTCTGGAGCAAAATTTAAACCTCTGCCAGCAGCAGCTCACC 954
QY 326 SerMetSerArgLysSerSerLeuLysIleLeuSerLysGlyLysArgGlyGlyHisSer 345
DB 955 TCTGTGAGCAGAGGGTCCAGCTCAAGATCTCTCCAAAGAAAGCGAGGTGGACATTCA 1014
QY 346 SerValSerThrGluSerGluSerSerPheHisSerSer 359
DB 1015 TCTGTTCCATGAGTCTGAGTCTTCAAGTCTTCACTCCAGC 1056
RESULT 13
US-10-775-920-372
; Sequence 372, Application US/10775920
; Publication No. US20040175744A1
; GENERAL INFORMATION:
; APPLICANT: Merzen Ltd
; TITLE OF INVENTION: POLYNUCLEOTIDE SEQUENCES AND CORRESPONDING ENCODED POLYPEPTIDES
; TITLE OF INVENTION: OF PARTICULAR SECRETED AND MEMBRANE-BOUND PROTEINS OVEREXPRESSED
; TITLE OF INVENTION: IN CERTAIN CANCERS
; FILE REFERENCE: Merzen - 00108
; CURRENT APPLICATION NUMBER: US/10/775,920
; CURRENT FILING DATE: 2004-02-10
; PRIOR APPLICATION NUMBER: US 60/447,900
; PRIOR FILING DATE: 2003-02-13
; NUMBER OF SEQ ID NOS: 385
; SOFTWARE: Patent version 3.2
; SEQ ID NO 372
; LENGTH: 1637
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-775-920-372
Alignment Scores:
Pred. No.: 9.4e-176 Length: 1637
Score: 1678.50 Matches: 319
Percent Similarity: 95.48% Conservative: 19
Best Local Similarity: 90.11% Mismatches: 11
Query Match: 89.90% Indels: 5
DB: 8 Gaps: 1
US-09-367-052-2 (1-359) x US-10-775-920-372 (1-1637)
QY 6 ValSerIleTyrThrSerAspAenTyrSerGluGluValGlySerGlyAspTyrAspSer 25
DB 94 ATCAGTATATACACTTCAGNATACTACACCGAGGAAATGGGCTCAGGGNACTAGCTCC 153
QY 26 AsnLysGluProCysPheArgAspGluAsnValIlePheAsnArgIlePheLeuProThr 45
DB 154 ATGAAGGAACCCGTGTTCCGTGAAGAAATGCTAAATTCATAAATCTTCCTGCCACC 213
QY 46 IleTyrPheIlelePheLeuThrGlyIleValGlyAsnGlyLeuValIleLeuValMet 65
DB 214 ATCTACTCCATCATCTTCTTAACTGGCATTTGGGCAATGGATTGGTCATCTCGTGGTCATG 273
QY 66 GlyTyrGlnLysLysLeuArgSerMetThrAspLysTyrArgLeuHisLeuSerValAla 85
DB 274 GGTACAGAGAAATGAGAACATGACGACAGTACAGGCTGACCTGTGAGTGGCC 333
QY 86 AspLeuLeuPheValIleThrLeuProPheTrpAlaValAspAlaMetAlaAspTrpTyr 105

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Db 334 GACCTCCTCTTTGTGCATCAGCTCCCTTCTGGGCGATTGATGCCGTGGCAAACTGGTAC 393
QY 106 PheGlyLysPheLeuCysLysAlaValHisIleIleTyrThrValAsnLeuTyrSerSer 125
Db 394 TTTGGGAACCTTCATATGCAAGGCAGTCCATGTTCATCAGAGTCAACCTCTCAGCAGT 453
QY 126 ValLeuIleLeuAlaPheIleSerLeuAspArgTyrLeuAlaIleValHisAlaThrAsn 145
Db 454 GTCCATCATCTGGCCCTTCATCAGTCTGGACCGTACCTGGCCCATCGTCCACGCCCAAC 513
QY 146 SerGlnArgProArgLysLeuLeuAlaGluLysAlaValTyrValGlyValTyrPhePro 165
Db 514 AGTCAGAGGCCAAGAGCTGTGGCTGAAGAAGTGTCTATGTTGGCGTCTGCATCCCT 573
QY 166 AlaLeuLeuLeuThrIleProAspPheIlePheAlaAspValSerGlnGlyAspIleSer 185
Db 574 GCCTCTCTGTGACTATTCCGACTTCATCTTTGCCAACGTC-----AGT 618
QY 186 GlnGlyAspAspArgTyrIleCysAspArgLeuTyrProAspSerLeuTrpMetValVal 205
Db 619 GAGGCGAGATGACAGATATATCTGTGACCGCTTCTACCCCAATGACTTGTGGGTGTGTG 678
QY 206 PheGlnPheGlnHisIleMetValGlyLeuIleLeuProGlyIleValIleLeuSerCys 225
Db 679 TTCAGTTTCAGCACATCATGGTGGCTTATCTGCTCGTATGTCATCTGCTCTGCTGCTG 738
QY 226 TyrCysIleIleIleSerLysLeuSerHisSerLysGlyHisGlnLysArgLysAlaLeu 245
Db 739 TATTGCATTATCATCTCCAGCTGTCCACACTCCAGGGCCACCAGAGCGCAGGCCCTC 798
QY 246 LysThrThrValIleLeuIleLeuAlaPhePheAlaCysTrpLeuProTyrTyrValGly 265
Db 799 AAGACACACAGTATCTCATCTGGCTTCTTCGCGCTGTGGCTGTCTACTACATTGGG 858
QY 266 IleSerIleAspSerPheIleLeuLeuGlyValIleLysGlnGlyCysAspPheGluSer 285
Db 859 ATCAGATCGACTCTCTTCATCTCTCGGAAATCATCAAGCAAGGGTGTGAGTTTGAGAAC 918
QY 286 IleValHisLysTrpIleSerIleThrGluAlaLeuAlaPhePheHisCysCysLeuAsn 305
Db 919 ACTGTGCACAAGTGGATTTCCATCACCAGGCGCTAGCTTCTTCCACTGTGTCTGAAAC 978
QY 306 ProIleLeuTyrAlaPheLeuGlyAlaLysPheLysSerSerAlaGlnHisAlaLeuAsn 325
Db 979 CCCATCCTCTATGCTTCTCTTGGAGCCAAATTTAAACCTCTGCCACGACGCACTCACC 1038
QY 326 SerMetSerArgGlySerSerLeuLysIleLeuSerLysGlyLysArgGlyGlyHisSer 345
Db 1039 TCTGTGAGCAGAGGGTCCAGCCTCAAGATCCTCTCCAAAGAAAGCGAGGTGACATTCA 1098
QY 346 SerValSerThrGluSerGluSerSerPheHisSerSer 359
Db 1099 TCTGTTTCCACTGAGTCTGAGTCTTCAAGTTTTCATCTCCAGC 1140

RESULT 14
US-10-775-920-374
; Sequence 374, Application US/10775920
; Publication No. US2004017544A1
; GENERAL INFORMATION:
; APPLICANT: Mergen Ltd
; TITLE OF INVENTION: POLYNUCLEOTIDE SEQUENCES AND CORRESPONDING ENCODED POLYPEPTIDES
; TITLE OF INVENTION: OF PARTICULAR SECRETED AND MEMBRANE-BOUND PROTEINS OVEREXPRESSED
; FILE OF INVENTION: IN CERTAIN CANCERS
; FILE REFERENCE: Mergen - 00108
; CURRENT APPLICATION NUMBER: US/10775, 920
; CURRENT FILING DATE: 2004-02-10
; PRIOR APPLICATION NUMBER: US 60/447,900
; PRIOR FILING DATE: 2003-02-13
; NUMBER OF SEQ ID NOS: 385
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 374
; LENGTH: 1645
; TYPE: DNA
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; ORGANISM: Homo sapiens
US-10-775-920-374
Alignment Scores:
Pred. No.: 9,47e-176 Length: 1645
Score: 1678.50 Matches: 319
Percent Similarity: 95.48% Conservative: 19
Best Local Similarity: 90.11% Mismatches: 11
Query Match: 89.90% Indels: 5
DB: Gaps: 1
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US-09-367-052-2 (1-359) x US-10-775-920-374 (1-1645)

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Db 257 GGTATACAGAAAGAACTGAGAGCATGACGGACAGTACAGGCTGCACCTGTCTCAGTGGCC 316
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Db 317 GACCTCTCTTGTGTATCATCGCTTCCCTTCTGGCGAGTTGATGCCGTGGCAAACTGGTAC 376
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QY 166 AlaLeuLeuLeuThrIleProAspPheIlePheAlaAspValSerGlnGlyAspIleSer 185
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QY 186 GlnGlyAspAspArgTyrIleCysAspArgLeuTyrProAspSerLeuTrpMetValVal 205
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QY 206 PheGlnPheGlnHisIleMetValGlyLeuIleLeuProGlyIleValIleLeuSerCys 225
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QY 246 LysThrThrValIleLeuIleLeuAlaPhePheAlaCysTrpLeuProTyrTyrValGly 265
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; Sequence 185, Application US/10505680
; Publication No. US2005009592A1
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; APPLICANT: The Government of the United States of America as represented by the
; APPLICANT: Secretary of the Department of Health and Human Services
; APPLICANT: Jazaeri, Amir A.
; APPLICANT: Boyd, Jeff
; APPLICANT: Liu, Edison T.
; TITLE OF INVENTION: IDENTIFICATION OF OVARIAN CANCER TUMOR MARKERS AND THERAPEUTIC TA
; FILE REFERENCE: 4239-64452
; CURRENT APPLICATION NUMBER: US/10/505,680
; CURRENT FILING DATE: 2004-08-12
; PRIOR APPLICATION NUMBER: 60/357,031
; PRIOR FILING DATE: 2002-02-13
; NUMBER OF SEQ ID NOS: 822
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 185
; LENGTH: 1645
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-505-680-185

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Score: 1678.50 Matches: 319
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US-09-367-052-2 (1-359) x US-10-505-680-185 (1-1645)

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Job time : 1051 secs

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GenCore version 5.1.6
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Perfect score: 1867

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Database :

Published Applications NA.New:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	1738.5	93.1	1651	7	Sequence 4, Appli
3	1678.5	89.9	1225	6	Sequence 2630, Ap
4	1678.5	89.9	1662	7	Sequence 112, App
5	1672.5	89.6	8747	6	Sequence 3, Appli
6	1670.5	89.5	1102	6	Sequence 141, App
7	1606	86.0	1643	7	Sequence 121, App
8	1320.5	70.7	1400	7	Sequence 108, App
					Sequence 6726, Ap

9	1268	67.9	1400	7	US-11-136-527-4204	Sequence 4204, Ap
10	594	31.8	1680	7	US-11-136-527-153	Sequence 153, App
11	576	30.9	1400	7	US-11-136-527-4249	Sequence 4249, Ap
12	562	30.1	1324	7	US-11-136-527-2373	Sequence 2373, Ap
13	540	28.9	3100	6	US-10-775-169-254	Sequence 254, App
14	535	28.7	3177	7	US-11-127-877-25	Sequence 25, Appl
15	533	28.5	30151	6	US-10-995-561-13239	Sequence 13239, A
16	531	28.4	3062	6	US-10-995-561-120	Sequence 120, App
17	531	28.4	3101	6	US-10-995-561-119	Sequence 119, App
18	522.5	28.0	246960	7	US-11-121-086-8	Sequence 8, Appli
19	510.5	27.3	1348	6	US-11-136-527-3311	Sequence 3311, A
20	508	27.2	1433	6	US-10-750-185-54253	Sequence 54253, A
21	508	27.2	1433	6	US-10-750-623-54253	Sequence 54253, A
22	498	26.7	2273	7	US-11-127-877-23	Sequence 23, Appl
23	494	26.5	1365	7	US-11-136-527-2610	Sequence 2610, Ap
24	493.5	26.4	1251	7	US-11-122-849-1	Sequence 1, Appli
25	492.5	26.4	1383	7	US-11-136-527-3271	Sequence 3271, Ap
26	484.5	26.0	1059	7	US-11-068-686-19	Sequence 19, Appl
27	483.5	25.9	3383	7	US-11-068-686-1	Sequence 1, Appli
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29	477.5	25.6	1915	7	US-11-068-686-3	Sequence 3, Appli
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33	463.5	24.8	2214	6	US-10-995-561-196	Sequence 196, App
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37	463.5	24.8	2422	6	US-10-995-561-195	Sequence 195, App
38	463.5	24.8	2480	6	US-10-995-561-198	Sequence 198, App
39	463.5	24.8	57198	6	US-10-995-561-13263	Sequence 13263, A
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44	459.5	24.6	3219	7	US-11-136-527-4059	Sequence 4059, Ap
45	459.5	24.6	3295	7	US-11-136-527-3736	Sequence 3736, Ap

ALIGNMENTS

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; Sequence 4, Application US/11028922A
; Publication No. US20050271639A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Marc
; TITLE OF INVENTION: GENETICALLY ENGINEERED FOR THERAPEUTIC APPLICATIONS
; FILE REFERENCE: CCP-7019
; CURRENT APPLICATION NUMBER: US/11/028,922A
; CURRENT FILING DATE: 2005-01-04
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4
; LENGTH: 1050
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-11-028-922A-4

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Score: 1744.50 Matches: 338
Percent Similarity: 96.61% Conservative: 4
Best Local Similarity: 95.48% Mismatches: 7
Query Match: 93.44% Indels: 5
DB: 7 Gaps: 1

US-09-367-052-2 (1-359) x US-11-028-922A-4 (1-1050)

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; Sequence 2630, Application US/11136527
; Publication No. US2005028750A1
; GENERAL INFORMATION:
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; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; PRIOR FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2630
; LENGTH: 1651
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; US-11-136-527-2630

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Percent Similarity: 96.33%
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US-09-367-052-2 (1-359) x US-11-136-527-2630 (1-1651)

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Db 586 TTCAGTTCCAGCACATCATCTGATCGGCTCTCATCTCTCCGGGCGATCGTCTCTGTGT 645
QY 226 TyrCysIleIleleSerLysLeuSerHisSerLysGlyHisGlnLysArgLysAlaLeu 245
Db 646 TACTGCATCATCATCTCCAAGCTGTCACTCCAAGTTTTCACCTCCAGC 705
```


QY 246 LysThrThrValIleLeuAlaPhePheAlaCysTrpLeuProTyrTyrValGly 265
 DB 706 AAGACTACGGTATCTCTTATCTGGCTTCTTGGCTGCTGCTATGATGCTGGG 765
 QY 266 IleSerIleAspSerPheIleLeuLeuGlyValIleLysGlnGlyCysAspPheGluSer 285
 DB 766 ATCAGCATCGATCTCTTATCTCTTGGAGGTATCATCAGCAGAGTGTGAGTTCGAGAGC 825
 QY 286 IleValHisLysTrpIleSerIleThrGluAlaLeuAlaPhePheHisCysCysLeuAsn 305
 DB 826 GTCGTGCACRAGTGATCTCCATCAGGAGGCTCTGCTCTTCTCCACTGTGCTGCTGAAC 885
 QY 306 ProIleLeuTyrAlaPheLeuGlyAlaLysPheLysSerSerAlaGlnHisAlaLeuAsn 325
 DB 886 CCATCTCTACGCTCTCTCTGCGGGCCAAATTCAGAGCTCCGCGCAGCATGCACTCAAT 945
 QY 326 SerMetSerArgGlySerSerLeuLysIleLeuSerLysGlyLysArgGlyGlyHisSer 345
 DB 946 TCCATGAGCAGAGCTCCAGCTCAAGATCTTCCAAAGGGAACGGGGTGGACACTCT 1005
 QY 346 SerValSerThrGluSerGluSerSerPheHisSerSer 359
 DB 1006 TCCGTCTCCACAGTCAGATCTCTCAAGTTTCACTCCAGC 1047
 RESULT 3
 US-10-955-054A-112
 ; Sequence 112, Application US/10955054A
 ; Publication No. US20050266420A1
 ; GENERAL INFORMATION:
 ; APPLICANT: PUSZTAL, LAJOS
 ; APPLICANT: SYMMANS, W. FRASER
 ; APPLICANT: HESS, KENNETH R.
 ; APPLICANT: AYERS, MARK
 ; APPLICANT: STEC, JAMES
 ; TITLE OF INVENTION: MULTIGENE PREDICTORS OF RESPONSE TO CHEMOTHERAPY
 ; FILE REFERENCE: UTXC:880US
 ; CURRENT APPLICATION NUMBER: US/10/955, 054A
 ; CURRENT FILING DATE: 2004-09-30
 ; NUMBER OF SEQ ID NOS: 195
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 112
 ; LENGTH: 1225
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-955-054A-112
 Alignment Scores:
 Pred. No.: 1.32e-181 Length: 1225
 Score: 1678.50 Matches: 319
 Percent Similarity: 95.48% Conservative: 19
 Best Local Similarity: 90.11% Mismatches: 11
 Query Match: 89.90% Indels: 5
 DB: 6 Gaps: 1
 US-09-367-052-2 (1-359) x US-10-955-054A-112 (1-1225)
 QY 6 ValSerIleTyrThrSerAspAsnTyrSerGluGluValGlySerGlyAspTyrAspSer 25
 DB 35 ATCAGTATATACATCTTCAAGTATCTACCCAGAGAAATGGCTCAGGGAGCATGACTCC 94
 QY 26 AsnLysGluProCysPheArgAspGluAsnValHisPheAsnArgIlePheLeuProThr 45
 DB 95 ATGAAGGAACCCCTGTTTCGTGGAAGAAATGCTAAATTTCAATAAATCTTCTGCCACC 154
 QY 46 IleTyrPheIleIlePheLeuThrGlyIleValGlyAsnGlyLeuValIleLeuValMet 65
 DB 155 ATCTACTCCATCATCTCTTAAGTGGCAATGTTGGTATGTTGCTATGCTGGTCAATG 214
 QY 66 GlyTyrGlnLysLysLeuArgSerMetThrAspLysTyrArgLeuHisLeuSerValAla 85
 DB 215 GGTTACAGAAGAACTTGAGACATGACGACGACAGTACAGGCTGCACCTGTGCTGGGCC 274

QY 86 AspLeuLeuPheValIleThrLeuProPheTrpAlaValAspAlaMetAlaAspTrpTyr 105
 DB 275 GACCTCTCTTGTGTATCATCGCTTCCCTTCTGGGCGAGTTGATCCGCGCAAACTGGTAC 334
 QY 106 PheGlyLysPheLeuCysLysAlaValHisIleIleTyrThrValAsnLeuTyrSerSer 125
 DB 335 TTTGGGAACCTTCTATGCAAGGCGTCCATGTCTATCACAGTCAACCTCTACAGCAGT 394
 QY 126 ValLeuIleLeuAlaPheIleSerLeuAspArgTyrLeuAlaIleValHisAlaThrAsn 145
 DB 395 GTCCTCATCTGGCTTCTCATCGTCTGGACCGCTACCTGGCCATCGTCCACGCCCAAC 454
 QY 146 SerGlnArgProArgLysLeuLeuAlaGluLysAlaValTyrValGlyValTrpIlePro 165
 DB 455 AGTCAGAGCCCAAGGAAGCTGTGGCTGAAAGGTGCTATGTTGGCGTCTGGATCCCT 514
 QY 166 AlaLeuLeuLeuThrIleProAspPheIlePheAlaAspValSerGlnGlyAspIleSer 185
 DB 515 GCCTCTCTGCTGCTATTTCCGACTTCTATTTGCCAAGTC-----AGT 559
 QY 186 GlnGlyAspAspArgTyrIleCysAspArgLeuTyrProAspSerLeuTrpMetValVal 205
 DB 560 GAGGCAGATGACAGATATATCTGTGACCGCTTCTACCCCAATGACTTGTGGGTGGTGTG 619
 QY 206 PheGlnPheGlnHisIleMetValGlyLeuIleLeuProGlyIleValIleLeuSerCys 225
 DB 620 TTCCAGTTTTCAGCACATCATGTTGGCTTATCTGCTGCTGTTATGCTATCTGCTCTGC 679
 QY 226 TyrCysIleIleIleSerLysLeuSerHisSerLysGlyHisGlnLysArgLysAlaLeu 245
 DB 680 TATTGATTTATCATCTCCAGCTGTCCACTCCAGGGCCACCAAGGCGCAAGGCGCCCTC 739
 QY 246 LysThrThrValIleLeuIleLeuAlaPhePheAlaCysTrpLeuProTyrTyrValGly 265
 DB 740 AAGACCACAGTCATCTCTCTGCTTCTTCTGCTGCTTCTGCTGCTTCTTCTTCTTCTG 799
 QY 266 IleSerIleAspSerPheIleLeuLeuGlyValIleLysGlnGlyCysAspPheGluSer 285
 DB 800 ATCAGCATCGACTCTCTTCTCTCTGGAATCATCAAGCAAGGGTGTGAGTTTGAGAAC 859
 QY 286 IleValHisLysTrpIleSerIleThrGluAlaLeuAlaPhePheHisCysCysLeuAsn 305
 DB 860 ACTGTGCACAGTGGATTTCCATCCAGGAGGCTAGCTTCTTCCACTGTTGCTCTGAAAC 919
 QY 306 ProIleLeuTyrAlaPheLeuGlyAlaLysPheLysSerSerAlaGlnHisAlaLeuAsn 325
 DB 920 CCCATCTCTATGCTTCTTCTGAGCCAAATTTAAACCTCTGCCCCAGCAGCACTCACC 979
 QY 326 SerMetSerArgGlySerSerLysIleLeuSerLysGlyLysArgGlyGlyHisSer 345
 DB 980 TCTGTGAGCAGAGGGTCCAGCCTCAAGATCTCTCCAAAGGAAGCGAGGTGGACATTCA 1039
 QY 346 SerValSerThrGluSerGluSerSerPheHisSerSer 359
 DB 1040 TCTGTTTCCACTGAGTCTGAGTCTTCAAGTTTCACTCCAGC 1081
 RESULT 4
 US-11-028-922A-3
 ; Sequence 3, Application US/11028922A
 ; Publication No. US20050271639A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Penn, Marc
 ; TITLE OF INVENTION: GENETICALLY ENGINEERED FOR THERAPEUTIC APPLICATIONS
 ; FILE REFERENCE: CCP-7019
 ; CURRENT APPLICATION NUMBER: US/11/028, 922A
 ; CURRENT FILING DATE: 2005-01-04
 ; NUMBER OF SEQ ID NOS: 9
 ; SOFTWARE: PatentIn version 3.3
 ; SEQ ID NO 3
 ; LENGTH: 1662
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-11-028-922A-3


```
Qy 166 AlaLeuLeuThrIleProAspPheIlePheAlaAspValSerGlnGlyAspIleSer 185
Db 5342 GCCCTCTCTGCTACTATTCCTCGACTTCATCTTTGCCAACGTC-----AGT 5386

Qy 186 GlnGlyAspAspArgTyrlleCysAspArgLeuTyrlProAspSerLeuTrpMetValVal 205
Db 5387 GAGGAGATGACAGATATATCTGTGACCGCTTCTACCCCAATGACTTGTGGGTGTGTG 5446

Qy 206 PheGlnPheGlnHisIleMetValGlyLeuIleLeuProGlyIleValIleLeuSerCys 225
Db 5447 TTCAGTTTCAGACATCATGTTGGCTTATCTGCTGCTGATTTGTCATCTCTGCTGTC 5506

Qy 226 TyrcysIleIleIleSerLysLeuSerHisSerLysGlyHisGlnLysArgLysAlaLeu 245
Db 5507 TATTGCATTATCATCTCCAAGCTGTCACTCCCAAGGGCCACCAGAAGCGCAAGGGCCCTC 5566

Qy 246 LysThrThrValIleLeuIleAlaPhePheAlaCysTrpLeuProTyrlTrpValGly 265
Db 5567 AAGACACAGTCATCTCATCTGCTGCTTCTTCGCTGTTGGCTTACTACTATTGGG 5626

Qy 266 IleSerIleAspSerPheIleLeuLeuGlyValIleLysGlnGlyCysAspPheGluSer 285
Db 5627 ATCAGCATCGACTCTCTCATCTCTGGAATCATCAAGCAAGGTGTGAGTTTGAGAAC 5686

Qy 286 IleValHisLysTrpIleSerIleThrGluAlaLeuAlaPhePheHisCysLysLeuAsn 305
Db 5687 ACTGTGCACAAGTGGATTTCCATCAGCGGCTAGCTTCTTCACACTGTCTCTGAAC 5746

Qy 306 ProIleLeuTyrlAlaPheLeuGlyAlaLysPheLysSerSerAlaGlnHisAlaLeuAsn 325
Db 5747 CCATCTCTCTATCTTCTCTTGGAGCCAAATTTAAACCTCTGCCACGACGACTCACC 5806

Qy 326 SerMetSerArgGlySerSerLeuLysIleLeuSerLysGlyLysArgGlyGlyHisSer 345
Db 5807 TCTGTGAGCAGAGGGTCCAGCTCAGATCTCTCCAAAGAAAGCGAGGTGACATTCA 5866

Qy 346 SerValSerThrGluSerGluSerSerPheHisSerSer 359
Db 5867 TCTGTTTCCACTGAGTCTGAGTCTTCAAGTTTTCACCTCCAGC 5908

RESULT 6
US-10-955-054A-121
; Sequence 121, Application US/10955054A
; Publication No. US20050266420A1
; GENERAL INFORMATION:
; APPLICANT: PUSZTAI, LAJOS
; APPLICANT: STYMANS, W. FRASER
; APPLICANT: HESS, KENNETH R.
; APPLICANT: AYERS, MARK
; APPLICANT: STEC, JAMES
; TITLE OF INVENTION: MULTIGENE PREDICTORS OF RESPONSE TO CHEMOTHERAPY
; FILE REFERENCE: UTXC:880US
; CURRENT APPLICATION NUMBER: US/10/955,054A
; CURRENT FILING DATE: 2004-09-30
; NUMBER OF SEQ ID NOS: 195
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 121
; LENGTH: 1102
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-955-054A-121

Alignment Scores:
Pred. No.: 9,32e-181 Length: 1102
Score: 1670.50 Matches: 317
Percent Similarity: 95.20% Conservative: 20
Best Local Similarity: 89.55% Mismatches: 12
Query Match: 89.48% Indels: 5
DB: 6 Gaps: 1

US-09-367-052-2 (1-359) x US-10-955-054A-121 (1-1102)
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RESULT 7

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Qy 6 ValSerIleTyrlThrSerAspAenTyrlSerGluGluValGlySerGlyAspTyrlAspSer 25
Db 53 ATCAGTATATACACTTTCAGATACTACACCGAGGAATGGGCTCAGGGGACTATGACTCC 112

Qy 26 AsnLysGluProCysPheArgAspGluAsnValIlePheAsnArgIlePheLeuProThr 45
Db 113 ATGAGGAACCCCTGTTTCCGTGAAGAAATGCTATTTTCAATAAATCTTCTCTGCCACC 172

Qy 46 IleTyrlPheIleIlePheLeuThrGlyIleValGlyAsnGlyLeuValIleLeuValMet 65
Db 173 ATCTACTCCATCATCTTCTTAAGTGGCAATGGATTGGTTCATCTCTGGTCATG 232

Qy 66 GlyTyrlGlnLysLysLeuArgSerMetThrAspLysTyrlArgLeuHisLeuSerValAla 85
Db 233 GGTATTACCAAGAAATGAGAACATGACGACAGTACAGGCTGCACCTGTGCTAGTGGCC 292

Qy 86 AspLeuLeuPheValIleThrLeuProPheTrpAlaValAspAlaMetAlaAspTrpTyrl 105
Db 293 GACTCTCTTGTGTCATCAGCTTCTCTGGGCAAGTGTATGCCGTGGCAAACTGGTAC 352

Qy 106 PheGlyLysPheLeuCysLysAlaValHisIleIleTyrlThrValAsnLeuTyrlSerSer 125
Db 353 TTTGGGAACCTTCTATGCAAGGCGAGTCCATGTCTACACAGTCAACCTCTACAGCAGT 412

Qy 126 ValLeuIleLeuAlaPheIleSerLeuAspArgTyrlLeuAlaIleValHisAlaThrAsn 145
Db 413 GTCTCTCATCTGCGCTTTCATCAGTCTGGACCGCTACCTGCGCCATTGTCCACGCCCAAC 472

Qy 146 SerGlnArgProArgLysLeuLeuAlaGluLysAlaValTyrlValGlyValTrpIlePro 165
Db 473 AGTCAGAGGCAAGGAAGCTGTTGGCTGAAAGGTGTCTATGTTGGCGTCTGATCCCT 532

Qy 166 AlaLeuLeuLeuThrIleProAspPheIlePheAlaAspValSerGlnGlyAspIleSer 185
Db 533 GCCTCTCTGCTGACTTATCCGACTTTCATCTTTGCCAACGTC-----AGT 577

Qy 186 GlnGlyAspAspArgTyrlleCysAspArgLeuTyrlProAspSerLeuTrpMetValVal 205
Db 578 GAGGAGATGACAGATATATCTGTGACCGCTTCTACCCCAATGACTTGTGGGTGTGTG 637

Qy 206 PheGlnPheGlnHisIleMetValGlyLeuIleLeuProGlyIleValIleLeuSerCys 225
Db 638 TTCAGTTCAGCACATCATGTTGGCTTATCTCTGCTGATTTGTCATCTCTGCTGTC 697

Qy 226 TyrcysIleIleIleSerLysLeuSerHisSerLysGlyHisGlnLysArgLysAlaLeu 245
Db 698 TATTGCATTATCATCTCCAAGCTGTCACTCCCAAGGGCCACCAGAAGCGCAAGGGCCCTC 757

Qy 246 LysThrThrValIleLeuIleLeuAlaPhePheAlaCysTrpLeuProTyrlTrpValGly 265
Db 758 AAGACCACAAATCATCCCATCTCTGCTGCTTCTTCTGCTGCTGCTGCTTACTACTATGGG 817

Qy 266 IleSerIleAspSerPheIleLeuLeuGlyValIleLysGlnGlyCysAspPheGluSer 285
Db 818 ATCAGCATGACTCTCTTCATCTCTCGAAATCATCAAGCAAGGTGTGAGTTTGAGAAC 877

Qy 286 IleValHisLysTrpIleSerIleThrGluAlaLeuAlaPhePheHisCysLysLeuAsn 305
Db 878 ACTGTGCACAAGTGGATTTCCATCAGCGGCTTACTAGCTTCTTCCACTGTGTGCTGAAC 937

Qy 306 ProIleLeuTyrlAlaPheLeuGlyAlaLysPheLysSerSerAlaGlnHisAlaLeuAsn 325
Db 938 CCCATCTCTATGCTTCTTCTTGGAGCCAAATTTAAACCTCTGCCACGACGACTCACC 997

Qy 326 SerMetSerArgGlySerSerLeuLysIleLeuSerLysGlyLysArgGlyGlyHisSer 345
Db 998 TCTGTGAGCAGAGGGTCCAGCTTCAAGATCTCTCCAAAGAAAGCGAGGTGACATTCA 1057

Qy 346 SerValSerThrGluSerGluSerSerPheHisSerSer 359
Db 1058 TCTGTTTCCACTGAGTCTGAGTCTTCAAGTTTTCACCTCCAGC 1099
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Db 182 AGAAGCTGCTGGCTGAAAGGCGCTCTATGTGGGTCTTGGATCCCGCCCTCTCTCTG 241
 Qy 170 ThrIleProaspPheIlePheAlaAspValSerGlnGlyAspAsp 189
 Db 242 ACTATCCCTGACATCATCTTCCGCGATGTC-----AGCCAGGGGAGCGGC 286
 Qy 190 ArgTyrIleCysAspArgLeuTyrProaspSerLeuTyrMetValValPheGlnPheGln 209
 Db 287 AGGTACATCTGTGACCGCCTTTACCCCGACAGCGCTGTGGATGGTGTTCACAGTTCCAG 346
 Qy 210 HistMetValGlyLeuIleLeuProGlyIleValIleLeuSerCysTyrCysIleIle 229
 Db 347 CATCATGTGGGTCTCATCTCGCCGGGCATCGTATCTCTGCTGTCTTACTGATCATC 406
 Qy 230 IleSerIysLeuSerHisSerIysGlyHisGlnIysArgIysAlaLeuIysThrVal 249
 Db 407 ATCTCCAAGCTGTACACTCCAGGGCCACAGAGCGCAAGCGCCCTCAAGACTACGGTC 466
 Qy 250 IleLeuIleLeuAlaPhePheAlaCysTyrProaspTyrTyrValGlyIleSerIleAsp 269
 Db 467 ATCTTATCTGCTGCTTCTTGGCTGTGCTACCGTATTTACGTGGGATCAGCATCGAT 526
 Qy 270 SerPheIleLeuGlyValIleIysGlnGlyCysAspPheGluSerIleValHisIys 289
 Db 527 TCCTTATCTCTTTGGAGGTCATCAAGCAAGGATGTGAGTTCAGAGCGCTGCGACRAG 586
 Qy 290 TrpIleSerIleThrGluAlaLeuAlaPhePheHisCysCysLeuLeuAsnProIleLeuTyr 309
 Db 587 TGATCTCCATCAGCGAGCGCTCGCTTCTTCCATCTGTGCTGAACCCCATCTCTAC 646
 Qy 310 AlaPheLeuGlyAlaIysPheIysSerSerAlaGlnHisAlaLeuAsnSerMetSerArg 329
 Db 647 GCCTTCTCGGGCCAAATTCAGAGCTCCGCGCAGCATGCACCTCAATTCATGAGCAGA 706
 Qy 330 GlySerSerLeuIysIleLeuSerIysGlyIysArgGlyGlyHisSerSerValSerThr 349
 Db 707 GGCTCAGCGCTCAAGATCTCTTCCAAAGGGAAACGGGGTGACACTCTCCCGTCCACA 766
 Qy 350 GluSerGluSerSerPheHisSerSer 359
 Db 767 GACTCAGATCTCTCAAGTTTCTACTCCAGC 796

RESULT 9

US-11-136-527-4204
 ; Sequence 4204, Application US/11136527
 ; Publication No. US20050287570A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Wyeth
 ; APPLICANT: Mounts, William M
 ; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
 ; FILE REFERENCE: 031896-041000 (AM101086)
 ; CURRENT APPLICATION NUMBER: US/11/136,527
 ; CURRENT FILING DATE: 2005-05-25
 ; PRIOR APPLICATION NUMBER: US 60/574,294
 ; PRIOR FILING DATE: 2005-05-26
 ; NUMBER OF SEQ ID NOS: 362830
 ; SOFTWARE: Patent in version 3.2
 ; SEQ ID NO 4204
 ; TYPE: DNA
 ; LENGTH: 1400
 ; ORGANISM: Rattus norvegicus
 US-11-136-527-4204

Alignment Scores:	1.48e-134	Length:	1400
Pred. No.:	1268.00	Matches:	255
Score:	89.55%	Conservative:	8
Best Local Similarity:	88.85%	Mismatches:	22
Query Match:	67.92%	Indels:	3
DB:	7	Gaps:	

US-09-367-052-2 (1-359) x US-11-136-527-4204 (1-1400)

Qy 73 SerMetThrAspIysTyrArgLeuHisLeuSerValAlaAspLeuLeuPheValIleThr 92
 Db 2 AGCATGACAGACAAAGTACCGGCTGCACCTGTCTCGTGCCTGACCTCTCTTTGTGCATCACA 61
 Qy 93 LeuProPheTrpAlaValaAlaPheAlaMetAlaAspTyrTyrPheGlyIysPheLeuCysIys 112
 Db 62 CTCCTTC-----AGTGACGCCATGGCTGACTGTGTACTTTGGGAAATTTTATGTAA 115
 Qy 113 AlaValHisIleIleTyrThrValAsnLeuTyrSerSerValLeuIleLeuAlaPheIle 132
 Db 116 GCTGTGCATATCATCTACACCGTCAACCTTTACAGCAGTGTCTCATCTCGGCTTCATC 175
 Qy 133 SerLeuAspArgTyrLeuAlaIleValHisAlaThrAsnSerGlnArgProArgIysLeu 182
 Db 176 AGCTTGACCGCTTACCTTGCATTTGCCAGCCACCAACAGCCAGCGAGGAGAAAGCTG 235
 Qy 153 LeuAlaGluIysAlaValTyrValGlyValTyrIleProAlaLeuLeuThrIlePro 172
 Db 236 CTGGCTGAAAGAGGCC----- 250
 Qy 173 AspPheIlePheAlaAspValSerGlnGlyAspIleSerGlnGlyAspAspArgTyrIle 192
 Db 251 GACATCATCTTCCCGCATGTC-----AGCCAGGGGAGCGGACGATCATC 295
 Qy 193 CysAspArgLeuTyrProaspSerLeuTyrMetValValPheGlnPheGlnHisIleMet 212
 Db 296 TGTGACCGCTTTTACCCCGACAGCTGTGGATGGTGTTCAGTTCAGACACATCATG 355
 Qy 213 ValGlyIleLeuProGlyIleValIleLeuSerCysTyrCysIleIleIleSerIys 232
 Db 356 GTGGGTCTCATCTCGCCGGGCATCGTCTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCT 415
 Qy 233 LeuSerHisSerIysGlyHisGlnIysArgIysAlaLeuIysThrThrValIleLeuIle 252
 Db 416 CTGTACATCTCCAGGGCCACAGAGCGCAAGGCCCTCAAGACTACGGTCTCATCTTATC 475
 Qy 253 LeuAlaPhePheAlaCysTrpLeuProTyrTyrValGlyIleSerIleAspSerPheIle 272
 Db 476 CTGGCTTCTTGTGCTGCTGGCTTACCGTATTTACGTGGGATCAGCATCGATTCCTTCATC 535
 Qy 273 LeuLeuGlyValIleIysGlnGlyCysAspPheGluSerIleValHisIysTrpIleSer 292
 Db 536 CTTTGTGGAGTTCATCAAGCAAGGATGTGAGTTCGAGAGCGTCTGTGCACAGTGCATCTCC 595
 Qy 293 IleThrGluAlaLeuAlaPhePheHisCysCysLeuAsnProIleLeuTyrAlaPheLeu 312
 Db 596 ATCAGGAGGCGCTCGCTTCTTCCACTGTGTGCTGAAACCCCATCTCTTACGCTTCTC 655
 Qy 313 GlyAlaIysPheIysSerSerAlaGlnHisAlaLeuAsnSerMetSerArgGlySerSer 332
 Db 656 GGGGCCAAATTCAGAGASSTCCGCGCAGCATGCATCAATTCATGAGAGAGGCTCCAGC 715
 Qy 333 LeuIysIleLeuSerIysGlyIysArgGlyGlyHisSerSerValSerThrGluSerGlu 352
 Db 716 CTCAGATCTCTTCCAAAGGGAAACGGGGTGACACTCTTCCGCTCTCCACAGAGTCAGAA 775
 Qy 353 SerSerSerPheHisSerSer 359
 Db 776 TCCTCAAGTTTCTACTCCAGC 796

RESULT 10

US-11-136-527-153
 ; Sequence 153, Application US/11136527
 ; Publication No. US20050287570A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Wyeth
 ; APPLICANT: Mounts, William M
 ; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
 ; FILE REFERENCE: 031896-041000 (AM101086)
 ; CURRENT APPLICATION NUMBER: US/11/136,527
 ; CURRENT FILING DATE: 2005-05-25
 ; PRIOR APPLICATION NUMBER: US 60/574,294

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; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 153
; LENGTH: 1680
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-11-136-527-153

Alignment Scores:
Pred. No.: 2,5e-57 Length: 1680
Score: 594.00 Matches: 123
Percent Similarity: 54.60% Conservative: 67
Best Local Similarity: 35.34% Mismatches: 138
Query Match: 31.82% Indels: 20
DB: Gaps: 4

US-09-367-052-2 (1-359) x US-11-136-527-153 (1-1680)

QY 17 GluValGlySerGlyAspTyrApp-----SerAanLysGlu 28
Db 209 GAAAACAGACATCTCCCTACGATTATGGGAAAMRAAMRAMMWTCTGACTCCCG 268
QY 29 ProCyPheArgAspGluAanValHisPheAanArgIlePheLeuProThrIleTyrPhe 48
Db 269 CCCTGCCACAGGACTTCAGCTGAACCTTGACAGAACCTTCTCGCAGTCTCTACAGC 328
QY 49 IleIlePheLeuThrGlyIleValGlyAanGlyLeuValIleLeuValMetGlyTyrGln 68
Db 329 CTCCTCTTTTGTGGGCTGTCTAGGCAATGGGCGAGTGTCTGTCTACTAGCAGCAG 388
QY 69 LysLeuLeuArgSerMetThrAspLysTyrArgLeuHisLeuSerValAlaAspLeuLeu 88
Db 389 CGCAGTCCCTGAGCAGCAGACACCTCTCTGCTCCACCTGGCTGTGGCGAGTACTG 448
QY 89 PheValIleThrLeuProPheTrpAlaValAspAlaMetAlaAspTyrTyrPheGlyLys 108
Db 449 CTGGTACTAACCTCCACCTGTGGCAGTAGACTCTCTGCCCGAGTGGTTCGCGCTCT 508
QY 109 PheLeuCysLysAlaValHisIleIleTyrThrValAanLeuTyrSerSerValLeuLe 128
Db 509 GGTCTCTGCAAGTGGCAGGTGGCTCTTCAACATCAACTTCTACGAGGGGCTTCCTG 568
QY 129 LeuAlaPheIleSerLeuAspArgTyrLeuAlaIleValHisAlaThrAanSerGlnArg 148
Db 569 CTGGCTGTATAGCTTTGACCTGCTACCTGAGCATAGTGTGCTGCCACCGATCTACCG 628
QY 149 ProArgLysLeuLeuAlaGluLysAlaValTyrValGlyValTrpIleProAlaLeuLe 168
Db 629 AGGAGCCCTGGGTAGCTGTAGCCCTCACCTGCATTGTTGTGGGTCTCTGTGTGCTC 688
QY 169 LeuThrIleProAspPheIlePheAlaAspValSerGlnGlyAspIleSerGlnGlyAsp 188
Db 689 TTGGCCCTCCAGATTTCATCTCTCTGCTCAGCCAGCCAT-----GATCAGCGCTC 739
QY 189 AspArgTyrIleCysAspArgLeuTyrProAspSerLeuTrpMetValValPheGlnPhe 208
Db 740 AATGCCACCATTCGCCAGTACAACTTCCCA--CAGGTGGTGGAGTGTCTGTGGTGTGTA 796
QY 209 GlnHisIleMetValGlyLeuIleLeuProGlyIleValIleLeuSerCysTyrCysIle 228
Db 797 CTGCAGCTAGTGGTGGTCTTCGTATGCCCTTCTAGTCTATGCTATGCTATGCCCAT 856
QY 229 IleIleSerLysLeuSerHisSerLysGlyHisGlnLysArgLysAlaLeuLysThrThr 248
Db 857 ATCCTGTGCTGTCTGTGCTCTCAGAGGCGCAGAGGCGCTTTCAGCTATGAGCTAGTG 916
QY 249 ValIleLeuIleLeuAlaPhePheAlaCysTrpLeuProTyrTrpValGlyIleSerIle 268
Db 917 GTGGTGGTGGTGGGCTTTGGCTGCTGAGACCCCTTATACCTGGTGGTGGTGGTGGT 976
QY 269 AspSerPheIleLeuLeuGlyValIleLysGlnGlyCysAspPheGluSerIleValHis 288
Db 942
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QY 153 LeuAlaGluLysAlaValTyrValGlyValTyrPheLeuLeuLeuLeuLeuThrLeuPro 172
Db 361 GTACGTGTAGCCCTCACCTGATTTGTGTGGGTCTCTGTGTCTTTTGGCCCTCCCA 420
QY 173 AspPheLeuPheAlaAspValSerGlnGlyAspLeuLeuLeuLeuLeuLeuLeuLeu 192
Db 421 GATTTTATCTTCTGTGACGACCAT-----GATCAGGCGCTCAATGCCACCAT 471
QY 193 CysAspArgLeuTyrProAspSerLeuTyrMetValValPheGlnPheGlnHisLeuMet 212
Db 472 TGCCAGTACAACTTCCCA---CAGGTGGGTGGGACTGCTCTGGGTGACTGCACGCTAGTG 528
QY 213 ValGlyLeuLeuLeuProGlyLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeu 232
Db 529 GCTGGTTTCTGTATGCCCCCTTCTAGTCAATGCTGCTATGCCATATCCCTGGCTGTG 588
QY 233 LeuSerHisSerLysGlyHisGlnLysArgLysAlaLeuLysThrValLeuLeuLeu 252
Db 589 CTGCTGTCTCCAGAGCCAGAGCGCTTTCGAGCTATGAGGCTAGTGGTGGTGGTG 648
QY 253 LeuAlaPhePheAlaCysTyrLeuProTyrTyrValGlyLysSerLeuAspSerPheLeu 272
Db 649 GTGGCTTTGCTGCTGCTGAGCCCTATCACCTGTGTGTGTAGTGGATATCCTTATG 708
QY 273 LeuLeuGlyValLeuLysGlnGlyCysAspPheGluSerLeuValHisLysTyrPheSer 292
Db 709 GACGTGGGAGTTTGGCCCGCAACTGTGTGCGAGAAAGCCATGTGACGTAGCAAGTCA 768
QY 293 IleThrGluAlaLeuAlaPhePheHisCysCysLeuAsnProIleLeuTyrAlaPheLeu 312
Db 769 GTACCTCAGCAGTGGCTATGCTGCTGCTCAATCCTATGCTCTATGCTTGTG 828
QY 313 GlyAlaLysPheLysSerSerAlaGlnHisAlaLeuAsnSerMetSerArgGlySerSer 332
Db 829 GGAGTGAAGTTCAAGAACAAATGTGATGTTGCTCATGCGCTGGCGCTCTGAC--- 885
QY 333 LeuLysIleLeuSerLysGlyLysArgGlyGlyHisSerSerValSerThrGluSerGlu 352
Db 886 -----CAGAGAGMCCGCGAGCGGAGCGCTTTCATCTTCCACGAGAGA 924
QY 353 SerSerSerPhe 356
Db 925 GAATCATCTCTGG 936

RESULT 12
US-11-136-527-2373
; Sequence 2373, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 2373
; LENGTH: 1324
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-11-136-527-2373

Alignment Scores:
Pred. No.: 8,09e-54 Length: 1324
Score: 562.00 Matches: 130
Percent Similarity: 53.10% Conservative: 67
Best Local Similarity: 35.04% Mismatches: 126
Query Match: 30.10% Indels: 48
DB: 7 Gaps: 10
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US-09-367-052-2 (1-359) x US-11-136-527-2373 (1-1324)
QY 12 AspAsnTyrSer---GluGluValGlySerGlyAspTyrAsp----- 24
Db 150 GATAATTTTCAGCCTTCAAGACTTCTTTCAGTGGAGATATTGACAGTTTACAATTACAGTTCT 209
QY 25 -----SerAsnLysGluProCysPheArgAspGluAsnValHisPhe 38
Db 210 GACCCGCCCTTTTACTCTGTGCAGATGCTGCCCATGTC---CCCTCAGCAACCTAGATATC 266
QY 39 AsnArgIlePheLeuProThrIleTyrPheIleLeuPheLeuThrGlyIleValGlyAsn 58
Db 267 AACAGATATGCTGTGTTGTCATATACGTTCTGGTACTTGTGCTAGTCTCGTGGGGAAC 326
QY 59 GlyLeuValIleLeuValMetGlyTyrGlnLysLysLeuAspSerMetThrAspLysTyr 78
Db 327 TCCCTGGTGTGCTGTGTCATCTGTGACAATCGAAGCACCTGCTCTGTTACCGACGCTCTAC 386
QY 79 ArgLeuHisLeuSerValAlaAspLeuLeuPheValIleThrLeuProPheTyrAlaVal 98
Db 387 CTGCTGAACCTGGCCATTCGTATCTGTTTGGCCCTGACCTTGCTGCTGGGTGCA 446
QY 99 AspAlaMetAlaAspTyrPheGlyLysPheLeuCysLysAlaValHisIleIleTyr 118
Db 447 TCTAAAGTAAATGGATGGATTTTGGCTCATCTCTGTGCAAGGATATCTGCTTCCTGCAG 506
QY 119 ThrValAsnLeuTyrSerSerValLeuLeuLeuAlaPheIleSerLeuAspArgTyrLeu 138
Db 507 GAGATTACCTTCTACAGCAGTGTCTGTTGTTAGCTGCATCAGCATGACGCGCTACCTG 566
QY 139 AlaIleValHisAlaThrAsnSerGlnArgProArgLysLeuLeuAlaGluLysAlaVal 158
Db 567 GCCATCGTCCACGCCCAAGTACATGATCCAGAGAGACACTTGTGC---AAGTTTGTG 623
QY 159 TyrValGlyValTyrPheLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeu 178
Db 624 TGCATCACCATGTGGTGTCTCTACATGTTCTGCTCCCTGCCCATCTTCATCTTT 677
QY 179 ValSerGlnGlyAspLysSerGlnGlyAspAspArgTyrIleCysAspArgLeuTyrPro 198
Db 678 -----CGGACTACTGTTAAAGCAACCTTCTACCGTAGTCTGC-----TATGAG 722
QY 199 Asp-----SerLeuTyrMetValValPheGlnPheGlnHisIleMetVal 213
Db 723 AATATAGGTAATAATACATCCAGTGGAGGTGTACTCGCATCTCGCTCAGACCTAT 782
QY 214 GlyLeuLeuLeuProGlyIleValIleLeuSerCysIleIleIleSerLysLeu 233
Db 783 GGCTTCTCTGCGCTGCTCATCATGCTGTCTGTATGGGTTCACACTGCGCAGCTC 842
QY 234 SerHisSerLysGlyHisGlnLysArgLysAlaLeuLysThrValIleLeuLeu 253
Db 843 TTTAAGGCCCATGCGGCGAGAGCACCGGCCATGCGGGTCACTTTGCTGTGGTCTC 902
QY 254 AlaPhePheAlaCysTyrLeuProTyrTyrValGlyIleSerIleAspSerPheIleLeu 273
Db 903 GTCTTCTGCTCTGCTGGTCTCCCTACACATTTGCTCTTTCACAGACACCTCATGAGA 962
QY 274 LeuGlyValIleLysGlnGlyCysAspPheGluSerIleValHisLysTyrPheSerIle 293
Db 963 ACCAAGCTGATCAAGGAGACCTGTGAAACCCGAGACGAGATTAACAAAGCTTTGGAGCT 1022
QY 294 ThrGluAlaLeuAlaPhePheHisCysCysLeuAsnProIleLeuTyrAlaPheLeuGly 313
Db 1023 ACTGAGATTTTGGCTTCTCCACAGCTGCTTAACCCCATCATCTATGCCITTTATTGGC 1082
QY 314 AlaLysPheLysSerSerAlaGlnHisAlaLeuAsnSerMetSerArgGlySerSerLeu 333
Db 1083 CAGAAATTTTCGC-----CATGCACTT-----GlyLysArgGlyGlyHis 344
QY 334 LysIleLeuSerLys-----GlyLysArgGlyGlyHis 364
Db 1107 AAGATCATGGCTAAATTATGCGCTTGTGCAAGGAGGTTCTTAGCCCAAGGAGGCGCCT 1166
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US-09-367-052-2 (1-359) x US-11-127-877-25 (1-3177)
QY 10 ThrSerAspAsnTyrSerGluGluValGlySerGlyAspTyr-----AspSerAsnLys 27
DB 306 TCCAGTGAAGATTATTTGGTCAGTCAGTCAATACCTATCTACTACGTTGATTCTGAGATG 365
QY 28 GluProCysPheArgAspGluAenValHisPheAsnArgIlePheLeuProThrIleTyr 47
DB 366 TTACTGTGCTCTTGCAGGAGGTGAGCAGCTTCTCCAGGCTATTGTACCGATTGCGCTAC 425
QY 48 PheIleIlePheLeuThrGlyIleValGlyAsnGlyLeuValIleLeuValMetGlyTyr 67
DB 426 TCCTGTGATGTGTCTTGGCCCTCGGGGAATATCTGTGTGTGATCACCTTTGCTTTT 485
QY 68 GlnLysLysLeuArgSerMetThrAspLysTyrArgLeuHisLeuSerValAlaAspLeu 87
DB 486 TATAAGAGGCCAGGTCTATGACAGAGCTATCTCTTGAACATGCCATGTGCAGATC 545
QY 88 LeuPheValIleThrLeuProPheTrpAlaValAsp---AlaMetAlaAspTrpTyrPhe 106
DB 546 CTCCTTTGTTCTTCTCCCATCTCTGGCAGTGAGTCATGCCACCGGTGCGTGGGTTTC 605
QY 107 GlyLysPheLeuCysLysAlaValHisIleIleTyrThrValAsnLeuTyrSerVal 126
DB 606 AGCAATGCCACGTGCAAGTTGTAAAGGCACTATGCTCCATCACTTTAACTCGCGGATG 665
QY 127 LeuIleLeuAlaPheIleSerLeuAspArgTyrLeuAlaIleValHisAlaThrAsnSer 146
DB 666 CTGCTCTGATCTGATAGCATGAGCGGTATCATGCCATTTGACGGCATTAAGTCA 725
QY 147 -----GlnArgProArgLysLeuLeuAlaGluLysAlaValTyrValGlyValTrpIle 164
DB 726 TTCGGGCTCGATCCAGAACACTACCGCGCAGCAAAATCATCTGCTTGTGTGGGG 785
QY 165 ProAlaLeuLeuLeuThrIleProAspPheIlePheAlaAspValSerGlnGlyAspIle 184
DB 786 CTGCTAGTCATCATCTCCAGCTCAACTTTTGTCTTC-----AACCAAAAATACAAC 836
QY 185 SerGlnGlyAspAspArgTyrIleCysAspArgLeuTyr-----ProAspSer 200
DB 837 ACCAAGGACGAT-----GTCTGTGAACCCAGTACACGACTCTCTCGAGCCCATC 890
QY 201 LeuTrpMetValValPheGlnPheGlnHisIleMetValGlyLeuLeuLeuProGlyIle 220
DB 891 AGGTGGAAGCTGTGATGTTGGGGCTTGAGCTACTCTTGGTCTTCTTATCCCTTTGATG 950
QY 221 ValIleLeuSerCysTyrCysIleIleIleSerLysLeuSerHisSerLysGlyHisGln 240
DB 951 TTCATGATATTTTGTACACGTTTCATTTGTCAAAACCTTGTGTCAAGCTCAGAATTCTAAA 1010
QY 241 LysArgLysAlaLeuLysThrThrValIleLeuLeuAlaPhePheAlaCysTrpLeu 260
DB 1011 AGGCACAAAGCCATCGGTAAATCATAGCTGTGGTGTGTGTCTTGTGGTGTGATTCAGATT 1070
QY 261 ProTyrTyrValGlyIleSerIleAspSerPheIleLeuLeuGlyValIleLysGlnGly 280
DB 1071 CCTCATAACATGTCTCTGTGTGACGGCT---GCAAAATTTGGTAAATGAACCGATCC 1127
QY 281 CysAspPheGluSerIleValHisLysTrpIleSerIleThrGluAlaLeuAlaPhePhe 300
DB 1128 TGCACAGCGCAAAAGCTAATTTGGCTATACGAAAACTGTACAGAAGTCTGTGGCTTTCCTG 1187
QY 301 HisCysCysLeuAsnProIleLeuTyrAlaPheLeuGlyAlaLysPheLysSerAla 320
DB 1188 CACTGCTGCTGAACCTGTGCTGTCTAGCTTTTATTGGGCGAAGTTC-----1235
QY 321 GlnHisAlaLeuAsnSerMetSerArgLysSerSerLeuLysIleLeuSer-----337
DB 1236 -----AGAACTACTTTCTGAAGATCTTGAAGGACCTGTGG 1271
QY 338 -----LysGlyLysArgGlyHisSerSerValSerThrGluSerGluSer 353
DB 1272 TGTGTGAGAGGAGTAAGTACAGTCTCTCAGGCTTCTCTGTGCCGGAGGTAAGTACTCAGAAAC 1331
DB 354 SerSerPheHisSerSer 359
DB 1332 ATTTCTCGCAGACCAAGT 1349

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RESULT 15

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US-10-995-561-13239
; Sequence 13239, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13239
; LENGTH: 30151
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-13239

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Alignment Scores:
Pred. No.: 1,66e-48 Length: 30151
Score: 533.00 Matches: 119
Percent Similarity: 50.41% Conservative: 67
Best Local Similarity: 32.25% Mismatches: 151
Query Match: 28.55% Indels: 32
DB: Gaps: 7

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US-09-367-052-2 (1-359) x US-10-995-561-13239 (1-30151)

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QY 6 ValSerIleTyrThrSerAspAsnTyrSerGluGluValGlySerGly---AspTyrAsp 24
DB 21124 ATCCAGCCCTTCCACATGATGATCTCCCTCATGATCATGACAGAAAACCTTTGATGATGAT 21183
QY 25 SerAsnLysGluProCysPheArgAspGluAenValHisPheAsnArgIlePheLeuPro 44
DB 21184 GATTGGCTGAGGCTGTATATTGGGACATCGTGGTCTTTGGGACTGTGTTCTGTCTTCTGTC 21243
QY 45 ThrIleTyrPheIleIlePheLeuThrGlyIleValGlyAsnGlyLeuValIleLeuVal 64
DB 21244 ATATTCTACTCCGTCTCTTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 21303
QY 65 MetGlyTyrGlnLysLysLeuArgSerMetThrAspLysTyrArgLeuHisLeuSerVal 84
DB 21304 CTCACCAACAGCAAGCAAGCCAGAGTGTACCGACATTTACCTCTGAACTGCGCTTG 21363
QY 85 AlaAspLeuLeuPheValIleThrLeuProPheTrpAlaValAspAlaMetAlaAspTrp 104
DB 21364 TCTGATCTCTGTGTGTAGCCATTTGCCCCTTCTGAGCTCAGTCTATTGTAATGAAAG 21423
QY 105 TyrPheGlyLysPheLeuCysLysAlaValHisIleIleTyrThrValAsnLeuTyrSer 124
DB 21424 GGCCTCCCAATGCTCATGTCGAAATTCACCTACCGCTTCTCTCTCATCGCTTTTGTGA 21483
QY 125 SerValLeuLeuLeuAlaPheLeuSerLeuAspArgTyrIleAlaIleValHisAlaThr 144
DB 21484 AGCATATTTCTCATCACCGCTCATGATGATGATGATGATGATGATGATGATGATGATGATG 21543
QY 145 AsnSerGlnArgProArgLysLeuLeuAlaGluLysAlaValTyrValGlyValTrpIle 164
DB 21544 AACTCATGAACAAACCGGACCGGTGACGATGGGCTCACCATGACCTAGCGCTGCTGGCA 21603
QY 165 ProAlaLeuLeuLeuThrIleProAspPheIlePheAlaAspValSerGlnGlyAspIle 184
DB 21604 GCAGCCATTTTGTGGCAGCAGCCAGTTCATGTTTCAAAAGCAGAAAGAAATGAA--- 21660
QY 185 SerGlnGlyAspAspArgTyrIleCysAspArgLeuTyrProAsp-----SerLeu 201

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Db 21661 -----||| |||||:::
Qy 202 TrpMetValValPheGlnPheGlnHisIleMetValGlyLeuIleLeuProGlyIleVal 221
Db 21697 TGGCCGCTGCTCGCAATGTGGAACAAATTTCTTGGCTTCCTACTCCCTCGCTCAT 21756
Qy 222 IleLeuSerCysTyrCysIleIleSerLysLeuSerHisSerLysGlyHisGlnLys 241
Db 21757 ATGAGTATTGCTACTTCAGARTCATCCAGACGCTGTTTCTCGCAAGAACCAAGAA 21816
Qy 242 ArgLysAlaLeuLysThrThrValIleLeuIleAlaPhePheAlaCysTrpLeuPro 261
Db 21817 GCCAAGCCATTAAACTGATCTCTGGTGGTCATCGTGTCTCTCTCGACACCC 21876
Qy 262 TyrTyrValGlyIleSerIleAspSerPheIleLeuLeuGlyValIleLysGlnGlyCys 281
Db 21877 TACAACRTTATGATTTTCTCGAGAGCGTTAAGCTCTATGACTTCTTT---CCAGTTGT 21933
Qy 282 AspPheGluSerIleValHisLysTrpIleSerIleThrGluAlaLeuAlaPhePheHis 301
Db 21934 GACATGAGGAAGGATCTGAGGCTGGCCCTCAGTGTGACTGAGAYGGTTGCATTTAGCCAT 21993
Qy 302 CysCysLeuAsnProIleLeuTyrAlaPheLeuGlyAlaLysPheLysSerSerAlaGln 321
Db 21994 TGTGTGCTGAATCCTCTCATCTATGCATTTGCTGGGGAGAGTTTCAGAGATACCTTTAC 22053
Qy 322 HisAlaLeuAsnSerMetSerArgGlySerSerLeuLysIleLeu----- 336
Db 22054 CACCTGTAT-----GGGAATGCTGGCTGCTCTGTTGGCGCTCAGTC 22098
Qy 337 -----SerLysGlyLysArgGlyGlyHisSerSerValSerThrGlu 350
Db 22099 CACGTTGATTTCTCTCATCTGAATCAAAAGGAGCGGCGATGGAAGTGTCTG----- 22152
Qy 351 SerGluSerSerPhePheHisSerSer 359
Db 22153 AGCAGCAATTTTACTTACCACACGAGT 22179
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Job time : 282 secs